ORGANOMETALLIC COMPOUNDS

Volume 28

nos.1-12

January-June 1976

© R.H.Chandler Ltd. 1976
Braintree, Essex.

ORGANOMETALLIC COMPOUNDS

Volume 28

INDEX

ORGANOMETALLIC COMPOUNDS Index to Volume 28, nos.1-12, January-June 1976.

As far as possible entries have been allocated to the individual metals. Some general references of the type 'Metal' or 'Lanthanides' have also been included. Because of the considerable content of patent material it has been necessary to include references to the groups of the Periodical Table.

ACTINIDES
Acetylacetonate 561
Diketonate 561
Ligand 2114

ALUMINIUM
Acetate 1074
Acetic acid 536
Acetoacetic ester 963
Diacetyl 612
Acetylacetonate 911,932,949,1514,2003
Diacetyl ornithine 3294
Acrylate 1074,1528
Polyacrylate 65
Acrylic acid 3235,3238
Acrylonitrile 3193
Alcoholate 476
Alizarin 3311
Alkoxy 59,60,424,542,909,1072,1514 1636,2003
Alkoxyethoxy 52,56
Alkyl 63,64,542,544,1075-77,1079 1081-82,1635,1637,1735
Alkyls,etc., in olefin polymerisation 393,398-424,843-58,860-87,1400-47, 1912-45,2426-34,2437-38,2441-66, 3141-58,3162-82
Alkyls,etc., in diene polymerisation 429-33,438,888-901,907,1448-57, 1459,1463,1467-68,1949,1955-57, 1960-62,2470,2473-76,2480,3184-86, 3188-93
Alkylaminoalane 2628
Alkylimine 540
Alkyliminoalane 2456
Alkynyl 1634
Allantoin 2055,3286
Allyl 1397
Amide 53
Amine 2631
Polyamine 2637
Amine sulphosuccinate 1602
Amino 3238
Aminoether 2637
Aminonaphtholate 2962
Aryl 796
Behenate 2543
Benzene 1896
Benzonorbornadiene 2632
Bornanyloxy 2633
Borneol 2074
Butoxy 60,62,401,411,1925,2619,3149
Butyl 63,538,2638
Butylpyridine 1005
Butyric acid 536
Caprolactam 1462
Carboxylate 1577
Cephalosporin 1024
Chlorohydroxy allantoinate 2055
Citrate 1577
Cyclohexoxy 1570
Cyclohexylhydroxylamine 472
Cyclopentadienyl 1072,1100,2155
Decyl 1459,1913
DIPS 754
Epoxy 3238
Epoxy resin 863
Ether 2631
Ethoxy 411,848-49,1570,1638
Ethyl 32,67,538,544,678,925,977,1071 1075-77,1080,1082,1459,1635,1735, 1901,1990,2101,2104,2631,2635,2639 2641
Ethylacetoacetate 1514
Ethylenedinitrilotetraacetate 2496
Diethyl ether 539
Ethyl imidazolyl 2060
Formic acid 536
Galactarate 1577
Germanyl 1570
Glycollate 1577
Hexenolate 1073
Hexyl 1459,1913
Iminoalane 1639-40
Hydroxyallantoinate 2055
Isoborneol 2074
Isobornyl 2638
Isobornyloxy 2103
Isobutyl 55,61,519,698,1073,1079 1082,1459,1570,1900,1913
Isobutylphenylacetate 1009
Isoprenyl 1414,1932
Isopropoxy 58,65,879,1078,1912,2045 2060,2103,2638,3296
Isopropyliminoalane 1936
Diisopropylsalicylate 754

ALUMINIUM cont'd.
Ketene 538
Lactate 1074
Lactic acid 3235
Lauryl sulphate 57
Lysine 3294
Malylsalicylate 1006
Mannoheptonate 2313
Menthol 2074
Menthyl 1570
Methacrylate 1074
Methacrylic acid 3205
Methoxy 2081
Methoxy dichlorobenzoic acid 2071
Methoxyethoxy 543,1036-37,1042,1462, 1610
Methyl 53,54,66,337,353,539,1901,2155 2631
Methylene 1467,2643
Methylimidazole 354
Methyl methacrylate 3193
Methylpiperidinol succinate 448
Morphocycline 1633
Naphthol sulphonic acid 474
Nitroso alkyl hydroxylamine 541,2634
Nitroso naphthol 474
Octyl 3120
Olefin sulphonate 1831
Peptide 1560
Phenolate 2105
Phenoxy 2636
Phenoxyisobutyrate 3282
Phenoxyphenyl propionoxy 1573
Phenoxyethyl 1570
Phenyl 384,796,2631,2632
Triphenylmethyl 1398
Phosphine 3029
Phthalocyanine 3250
Propionate 1074
Propionic acid 536,3235
Dipropyleneglycol 2102
Polypropylene maleic acid adduct 1484
Propylthiazole carboxylate 3296
Propyl thiazole carboxylic acid 2052
Prostaglandin 1012
Poly(4-pyridyl)ethylene 2506
Pyrrolidone carboxylic acid 3286
Quercetin sulphonic acid 2382
Quinone 3311
Salicyl-salicylate 1009
Schiff base 537
Silylalkyl 2627
Soap 922,2543,2629
Stearate 1580,2486,2543,2544,2630 3207
Sulphide 2631
Sulphosuccinate 1602
Tartrate 1577
Thiazole 3072
Thiazolecarboxylic acid 1571
Toluene 1304-5
Tolyl 54,977
Tryptophane 3295
Vinyl 3238
Vitamin U 2045

AMERICIUM
Hexafluoroacetylacetone 560
Pivaoyltrifluoroacetone 560

ANTIMONY
Acyclic amide 1385
Alkoxy 386
Alkyl 1371,1388
Alkyloxy 1386
Amine 3129
Aryl 1388
Aryl-diketone 3126
Benzenedithiolate 252
Benzoate 1388
Brilliant green 842
Butyl 386,816,1377,2475
Caproic acid 2493-94
Carboxylate 1388,3194
Chlorobenzoate 1388
Chlorophenyl 1388,3126
Chloropropyl 2013
Citric acid 3236
Crystal violet 842
Cycloheptatrienyl 395
Cyclopentadienyl 1121,1165,2413
Cysteine 2415
Dodecane 1903
Ethane 1903
Ethyl 816
Ethylenedioxy 450
Ethylenedithiolate 252,253,2415
Ethyleneglycol 3202
Ethylene glycol tricarboxylate 2503
Hydroxy carboxylic acid 2493-94
Imidazole 3129
Iminobenzenethiolate 252
Isooctylthioglycollate 918
Lactic acid 444
Malachite green 842
Maleonitriledithiolate 252,253
Malic acid 444
Mercaptoacetic acid 915
Methyl 387,1121,1165,1387,1903,3134
Dimethylphosphine propyl 1903

ANTIMONY cont'd.
Octoate 1377
Oximate 1387
Dioximine 3125
Phenyl 385,841,1165,1384,1903,2069
2572,3125,3126,3128,3211
Diphenyl 2414
Phenylene diimine 252,253
Triphenylsulphonium 461
Polyester 2517
Propane 1903
Propionate 1388
Pyridine oxide 2416
Pyridinethiol oxide 2069
Pyridinethiol-1-oxide 2572
Rhodamine 842
Schiff base 3131
Selenocarbamate 381
Stibolane 386
Stibole dioxa 386
Stibnite 386
Tartaric acid 444
Tetracene 2414
Thioacetate 3128
Dithiocarbamate 482,992,2417,2546
Dithiolene 253
Dithiophosphate 482
Thiosemicarbazone 2415
Toluene dithiolate 2415
Toluidine 3129
Tolyl 1388

ARSENIC
Acetate 2015
Acetylene 839
Alkyl 382,1382,1383,2015,3122-23,3233
Dialkylamino-oxathioarsolane 3136
Polyamine 2037
Aminoethyl 3124
Arsenane dioxa 383
Arsenimide methyl 2412
Arsine 2407,2721
Arsine acetylene 839
Arsine oxide 382
Arsinic acid 2411
Arsinoethyl-N-phenyl thiourea 3124
Arsinous acid diol ester 2407
Arsolane 2407,2408
Arsonic acid alkyl 2411
Arsonic acids, aryl 1020
Aryl 382,1382,1383,2015,3122-23,3233
Azarsolidine 3124
Diazoalkane 840
Butyl 1380,1383,2475
Butyrate 2015
Cyclic arsinous ester 2410
Cycloalkyl 3233
Cyclopentadienyl 1165
Dodecane 1903
Ethane 1903
Ethyl 1383
Ethylaminoethyl 3124
Isobutyrate 2015
Methyl 838,840,1165,1380,1381,1383
1903,2409,2410,3134
Methylamine 3135
Dimethylamino 2407
Dimethyl phosphate 2015
Dimethylphosphine propyl 1903
Phenyl 384,1165,1384,1903
Phenyl arsonium chloroferrate 153
Triphenyl sulphonium 461
Propane 1903
Propionate 2015
Propyl 1383
Selenocarbamate 381
Trisilylmethyl 2409
Sulphonate 2037
Dithiocarbamate 2265,2417
Tolyl 1382
Ylide 2409

BARIUM
Acetate 914,1531
Acetylacetonate 898,1453,3189
Alkoxy 573
Alkoxyalcohol 2027
Alkyl phenate 482
Alkyl thiophosphate 452
Polyamide 3242
Aminoacid salt 447
Antibiotic 3289
Aziridine 1262
Dibenzenesulphonyl cysteine 2983
Carboxylate 921,967
Carboxymethyl aspartic acid 2611
Cryptate 529
Driers 2533
Ethoxyethanol 2027
Ethyl hexoate 3218
Fatty acid 967,2027
Hexafluoroacetylacetonate 2610
Trifluoroacetyl camphor 2652
Fluoromethylaminobenzhydroxamate
2565
Glycol isophthalate sulphonate 903
Guanosine cyclic phosphate 3303
Hydroxypropyl phosphonate 504
Isopropoxy 2694
Lactate 921

BARIUM cont'd.
Laurate 2520,3218
Macrocycle 529
Macrocyclic polyether 2575
Malate 921
Methacrylate 2093
Methylaziridine 1262
Methylpiperidinol succinate 448
Tetramethylpiperidinol succinate 2498
Myristate 3218
Naphthenic acid 2027
Nonyl phenate 898
Novolac resin 3215
Olefin sulphonate 1831
Hexaoxa-cyclooctadiene 2324
Dioxaoctane dicarboxylic diamide 2087
Phenanthroline 1064
Phenate 1614,2501
Phenoxy 1614
Diphenyl propene 1582
Phosphonate 1275,2570
Piperazinyl alkanoate 446
Propoxy 573
Dipyridyl 1064
Soap 23,922,1070,3241,3245
Stearate 1978,3218
Thioallophenate 2062
Xanthenyl 1464

BERYLLIUM
Acetate 528,2621
Aminonaphtholate 2962
Butanedione nicotinylacetone 2975
Butyl 2622,2624
Butyl methyleneamine 2623
DIPS 754
EDTA 33
Diethyl ether 2663
Diisopropylsalicylate 754
Malonate 33
Nitrilotriacetate 33
Nitrilotripropionate 33
Organophosphate 405

BISMUTH
Acetylacetone 1514
Acetylide 1904
Alkoxy 2528
Alkyl 1388
Aryl 1388
Triazine trithiol 2968,3222
Benzoate 1388
Carboxylate 1388,2528
Chlorobenzoate 1388
Chlorophenyl 1388
Ethyl 1839
Ethylacetoacetate 1514
Ethylhexoate 2528
Iminodiacetic acid 2959
Mercaptobenzimidazolate 3133
Octoate 2528
Phenoxyisobutyrate 3282
Phenyl 3128,3211
Piperidyl 1839
Polymer 3222
Propionate 1388
Pyrrolidyl 1839
Selenocarbamate 381
Thioacetate 3128
Dithiocarbamate 1839,2417
Thiocarbamoylamino guanidine 2980
Tolyl 1388

CADMIUM
Acetate 1284
Acetophenone benzoylhydrazone 743 748
Acetophenone salicoylhydrazone 743, 748
Acetylglycine 1316
Acridine 3057
Alkyl 1371
Alkyl thiophosphate 452
Azahypoxanthinate 3059
Triazine trithiol 2968,3222
Azomethine pigment 3254
Dibenzenesulphonyl cysteine 2983
Benzoxazole 1865
Dibenzoylsulphide 788
Benzylamine 745
Benzthiazole 1813
Bromocaproic acid 1864
Caproic acid 1864
Carboxylate 3040
Dicarboxylic acid 2335
Cyclohexylhydroxylamine 952
Cyclopentadienyl 792,2950
Cystein 791
Ethyl 792,2619
Ethylenediamine 342,793,1316,3049
Ethyleneglycol dimethyl ether 749
Diethylenetriamine 3049
Triethylenetetramine 3049
Ethylhexoate 3218
2-Ethylhexyloxyphospholine 2375
Flavoquinone 298
Furan 3058
Hexanedioate 3061
Tetrahydrothenylamine 745
(Hydroxybutylphenyl)imine quinone 2309

CADMIUM cont'd.
Imidazole 1866
Ketoimine 2960
Laurate 1483,2520,3218
Malonic hydrazide 2952
Melamine-formaldehyde 1510
Methylaniline 744
Methylbenzoxazole 1865
Hexamethylenetetraamine 1856,1857
Tetramethylethylenediamine 2397,3049
Morpholine 1316
Myristate 3218
Naphthenate 3231
Nitrobenzoyl hydrazine 1315
Octoate 1483
Organophosphate 405
Oxalate 2376
Penicillaminate 1550
Pentanedioate 3061
Phenanthroline 1316,1809,2397
Phenyl 2397
Phenylbenzoxazole 1865
Picoyliminotetrahydraquinazoline 1269
Piperazine 1316
Polymer 3222
Propylenediamine 3060
Pyrazolone 1980
Pyridine 1316
Bipyridine 2397
Bipyridyl 1316
Pyrrole 3058
Resin 2516
Resinate 1483
Salicylaldimine 2960
Salicylate 1483,2376
Soap 1070
Stearate 441,3218,3231
Tartrate 2377
Thenylamine 745
Thiazolylazomethoxy phenol 341
Thiazolyl benzimidazole 2977
Dithiocarbamate 2540
Thiocarbamoylaminoguanidine 2980
Thiocarbonate 946
Thiophene 3058
Thiophene carboxamide 745
Dithiophosphate 1546
Thiosemicarbazide 1868,2378
Tolyl 2096
Urea-formaldehyde 1510
Valeric acid amide 2970
Tetrazolobenzthiazole 1813

CAESIUM
Acetate 689
Amine 565
Cumene 31
Tetracyanoquinone dimethane 2607
Cryptate 529
Ethylbenzene 31
Polyethylene glycol 1
Hydrocarbon 1953
Isobutyrate 1049
Ketyl dimer 1584
Macrocycle 529
Mesitylene 31
Hexaoxa-cyclooctadiene 2324
Dioxaoctane dicarboxylic diamide 2087
Phenyl 384
Thienyl fluorobutanedionate 1613
Toluene 31
Xylene 31

CALCIUM
Acetate 1068
Diacetone-ketogulonate 497
Acetophenone benzoylhydrazone 743 748
Acetophenone salicoylhydrazone 743 748
Alaninate 3287
Alkoxy 424,573
Alkoxyethoxy 52,56
Alkyl benzene sulphonate 1543
Alkyl phenate 990-91,2040
Alkyl phosphonate 505
Alkyl thiophosphate 452
Allantoin 3286
Aminoacid salt 447
Aminonaphtholate 2962
Hydroxynaphthoquinone 2626
Antibiotic 3289
Aziridine 1262
Bleomycin 2046
Bromosalicylanilide sulphonate 2064
Carboxylate 921,1529
Carboxymethyl aspartic acid 2611
Cephalosporin 1024
Citrate 525,1480,1569
Copolymer 2025
Cryptate 529
DIPS 754
EDTA 2625
Epoxysuccinate 1066
Ethyl 32
Diethylenetriamine pentaacetic acid 2046
Ethylhexoate 3218
Hexafluoroacetylacetonate 2610

CALCIUM cont'd.
Fluoromethylaminobenzyl hydroxamate 2565
Glycol isophthalate sulphonate 903
Human serum albumen 2046
Guanosine cyclic phosphate 3303
Hydroxyimineacetoamide 2063
Hydroxypropyl phosphonate 504
Isohumulone 1004
Isopropoxy 2694,3296
Diisopropylsalicylate 754
Ketyl dimer 1584
Lactate 921
Laurate 3218
Lubricant additive 2039
Lysine 1551
Macrocycle 529
Macrocyclic polyether 2575
Malate 921
Maleate 1066
Dimercaptosuccinic acid 2046
Methoxy 2081
Methylaziridine 1262
Methylpiperidinol succinate 448
Tetramethylpiperidinol succinate 2497
Monomethyl terephthalate 2314
Myristate 3218
Octoate 1529
Oleate 2525
Olefin sulphonate 1831
Organophosphate 405
Overbased phenate 1542,2541
Dioxaoctane dicarboxylic diamide 2087
Oxytetracycline 2056
Pantothenate 2563,3287
Petroleum sulphonate 482
Phenanthroline 1064
Phenate 1614,3270
Phenoxy 1614
Phenoxyisobutyrate 3282
Phenylurea 3313
Phosphonate 1275,2570
Phthalate 2091,2505
Propoxy 573
Polypropylene maleic acid adduct 1484
Propylthiazole carboxylate 3296
Dipyridyl 1064
Pyrrolidone carboxylic acid 3286
Resin 2519
Saccharate 3285
Soap 23,922,1070,1539,1544,3241
Stearate 441,453,455,925,1044,1559
1976,1978,1979,2525,2542,3207,3218
Sulphonate 1536,1542,2011,3286
Sulphonated polystyrene 902
Sulphosuccinate 871
Tartrate 10
Thioacetate 1068
Thioallophenate 2062
Thiomalate 10
Tryptophane 3295
Urea 2092
Xanthenyl 1464

CERIUM
Diacetyl 2107
Acetylacetonate 1817
Amide 2108
Benzil monoxime 2107
Benzoin 2107
Cyclopentadienyl 1087
Ethylenepentamineheptaacetate 68
Methylmalonate 1646
Diphenylphosphine amide 2108
Phosphine 2108
Pyridine 2107
Salicyl 2107
Salicylol hydrazide 546
Dithioacetate 2645
Vaniline 2107

CHROMIUM
Acetate 94,95,870,1545
Acetonitrile 1098,1662,2138
Acetophenone 2700
Acetylacetonate 751,900,911,949,1409
1460,1527,1530,1818,2134,2465,2697
3223
Acetylcyclohexanate 1530
Acetylpyridine-bis-semicarbazone 97
Aconitic acid 961
Acrylic 3238
Acyl 2706
Acyl isocyanide 589
Adiponitrile 1280
Alcohol 1665
Alkoxy 600,1283
Dialkoxythiophosphate 2308
Alkyl phosphite 96
Alkynyl thioester 585
Allyl 408
Amine 582,2131,3238
Amino acid 1576
Aminonaphtholate 2962
Aminoethyl phosphonic acid 2322
Aminophenyl disulphide 2141
Anisole 2711
Arene 89,588,598,1130,2133,2701
Arsine 581,591,1124,1133,2140
Aspartic acid 592

CHROMIUM cont'd.
Azo dye 477,957,1525,1532,1537,2012 2065,3251
Azomethine dye 477
Behenate 2543
Benzene 583,593,597,1130,2464,2699
Dibenzene 2256
Benzocinnoline 1658
Dibenzocrown 1132
Benzophenone 1661
Dibenzoylmethanate 1530
Benzyl 1823
Butadiene 2703
Butoxy 1406-8
Butylamine 1140
Butyl nitrile 1098
Caprolactam 910
Carbene 1129,2706
Carbon-boron-nitrogen heterocycle 1162
Carboxylate 750,941,1486,3244
Catechol 2981
Chlorophenyl 598
Chromocene 1446
Crown ether 1132
Cumene 2464
Cyclobutenyl 2956
Cycloheptatriene 583,631
Cyclohexadienyl 2956
Cyclohexanone acetonate 1527
Cyclohexylethyl amine 2710
Cyclooctadiene 2713
Cyclooctatriene 2713
Cycloolefin 2138
Cyclopentadienyl 583,1121,1446,1666 1823,2138,2393,2464,3114,3179
Diene 1826
Hexadiene 2793
DIPS 754
DMF 599
DMSO 599,1136
Dodecylsalicylate 2537
EDDA 92
EDTA 1664
Epoxy 3238
Ethanthiol 1125
Diethylaminocarbene 2688
Diethylaminocarbyne 595
Ethylbenzene 593,1130
Ethylene 2138
Ethylene carbonate 586
Ethylenediamine 93,295,590,1134,2137 2142,2207,2697,2705,2981
Triethylenediamine 2974
Ethylenediamine acetate 92
Ethylenedinitrilotetraacetate 2496
Ethylhexanoate 3244,3246
Ethylhexoate 937,1486,2014,2523
Diethyl phosphate 594
Ethyl xanthanate 2702
Fluorotoluene 1130
Fumaric acid 961
Glycine 592
Glycollate 473
Hexoate 2014
Histidine 592
Hydroxycarbene 2139
Hydroxycarboxylate 2707
Hydroxymethyl butyrate 2707
Imidazole 2709
Isocyanide 1126
Isopropyl 596
Isopropylbenzene 90-91
Diisopropylsalicylate 754
Diketonate 3212
Lactate 2553
Laurate 1483
Mannoheptonate 2313
Macrocyclic polyether 2031
Melamine-formaldehyde 1510
Mesaconic acid 961
Mesitylene 1120,1139
Methionine 1576
Dimethoxybenzene 1130
Methyl 1121,2393,3084,3110,3112,3117
Methylaminobenzoate 1120
Methylbenzoate 1120,1142,1660,2135
Methylene butyrolactone 1138
Methylethylenediamine 2835
Methyl fumarate 1666
Methyl iminodiacetate 2136
Methyl isocyanide 3084
Methyl maleate 1666
Methylphenylcyclopentadienyl 1115
Dimethyl pyrazole 2731
Methylpyridine 1140,2712
Dimethyl pyridine 2708
Dimethylsulphoxonium 1659
Methyl trithiane 101
Morpholinocarbodithioate 2132
Naphthenate 750,1143
Nicotinic amide 2981
Octoate 941,1483
Octylalanine 1474
Oxacyclopentylidene 99
Pentanediamine 1663
Phenanthridine 1658
Phenanthroline 587,2981
Phenyl 360,584,1408
Phenylalkyl 1661

CHROMIUM cont'd.
Diphenyl aniline 1130
Phenyl butanedionate 1527,1530
Diphenylcyclopentadienyl 1115
Diphenyl ether 512
Phenyl isocyanide 2730
Diphenyl pentanedionate 1530
Phenyl phosphine 2710
Tetraphenyl porphyrin 1682
Diphenyl propanedionate 1530
Phosphate 98,667
Phosphinate 1490
Phosphine 88,98,582,591,1120,1122 1124,1127-28,1131,1137,1142,2131, 2133,2140,2770
Phosphite 2131,2133
Picolinate 1530,2138
Picrate 1821
Polymer 1490,2538
Propylamine 1140
Propylene 2138
Propylenediamine 1663
Pyrazole 2709
Pyridine 1141,2138
Bipyridine 96,587,1120
Pyridine-aldoximate 1135
Pyridylbenzimidazole 2704
Poly(4-pyridylethylene) 2506
Quaternary ammonium 584
Resinate 1483
Salicylate 1000,1483
Salicylic aldehyde 2981
Siloxy 1428
Soap 2543
Stearate 1076,1819,2543,3237
Stibine 1124,2140
Stilbene 1661
Stilbenediamine 1663
Styrene 2138
Sulphosuccinate 871
THF 512
Thiacyclooctane 101
Dithiocarbamate 667
Thiophenic acid 2981
Toluene 588,598
Tolyl alkyl 100
Tolyl biguanide 1136
Tosyl hydrazine 2700
Tropylium 1123
Ditropylium carbonyl 631
Tropylium phosphonium 2732
Urea 2553
Urea-formaldehyde 1510
Vinyl 3238
Werner complex 2537,3237
Xanthate 667
Xylene 598

COBALT
Acetate 167,170,190,192,195,662,676 689,1281,1286,1545,1994,2789,2831, 2832
Acetonazine 958
Acetonitrile 1187
Acetophenone benzoylhydrazone 743 748
Acetophenone salicoylhydrazone 743 748
Acetylacetonate 196,425,698,702,751 892,949,1400,1458,1460,1502,1818, 2445,2476,2825,2971-72
Bis(acetylacetone)ethylenediimine 650
Biacetyldioximate 645,611
Acetylene 172,2791
Biacetyl monoxime 198
Acridine 2328
Acrylic 3238
Adenosine 299
Alaninate 167
Alanine 1723,2050,2805
Aldazine 958
Aliphatic alcohol 2787
Alkanolamine 502
Alkinyl 2319
Alkoxy 424,678
Alkoxyalcohol 2027
Alkyl 820
Alkyl ketone 198
Alkyne 672,2158
Allyl diethanolamine 2044
Allylpyrazole 742
Amino 3238
Amino acid 2805
Aminoacid salt 447
Aminobutyric acid 2834,3030
Aminocarboxylic acid 3030
Aminoethylamine 647,1713
Diaminoethyl methylamine 1729
Aminoethyl phosphonic acid 2322
Diaminoisopropanol 2813
Aminonaphtholate 2962
Aminonitrosopyrimidinediol 2296
Diaminopropane 2810,2811
Aminopropionate 2189
Aminopropionic acid 2834
Aminopyridine 656,2799
Aminopyrimidine 2199
Aminosulphonic acid 3030
Aminotetramethylpiperidine 2323

COBALT cont'd.
Aminothiothiadiazole 2307
Aminocarboxylate 2804
Amyloxy 1205
Aniline 653
Arginine 2834
Aroyl hydrazone 2800
Arsine 172,174,1196,1762,2828
Aryl carbene 1737
Aspartate 1723
Aspartic acid 1724
Tetraaza-annulene 2336
Diazacyclooctanediacetic acid 197
Triazene oxide 655
Triazine 1811
Aziridine 1262
Azo compound 2025
Azo dye 954,1532,2012
Tetrazolebenzthiazole 1813
Behenate 2543
Benzenedithiolate 252
Benzimidazole 3249
Benzoic acid 1810
Benzonitrile 1187
Benzophenonazine 958
Benzophenone-naphthol 675
Benzoxazolethione 2836
Benzoylnitroacetanilide 680
Benzoylthiourea 294
Benzthiazole 1813
Benzyl 2823
Benzylamine 745
Benzyl pyridine 1186
Bismuthine 1762
Borinate 668
Bromcaproic acid 656
Butadiene 1731,1946
Butanedione nicotinylacetone 2975
Butenediamine 643
Butylamine 656
Butylpyridine 2799
Butyraldoxime-N-methyl carbamate 3307
Caproate 2954
Caproic acid 656
Caprolactam 61,191
Caprylate 2954
Carbene 1737
Carborane 148,182
Carboxylate 678,750,941,967,2188
Dicarboxylic acid 2335
Carboxypeptidase 654
Carboxytetramethyl pyrroline 2323
Casein 2965
Catechol 2981
Chloroethylacetoporphine 2801
Citric acid 657
Cluster complex 2788
Cobaltocene 1115,2818
Cobaltole 2802
Crown complex 2086
Cyanopyridine 2799
Cyclic polyether 2086
Cycloheptadiene 175
Cyclohexadiene 175
Cyclohexanediamine 1730
Cyclohexylhydroxylamine 952
Cyclooctadiene 1715,1946
Cyclooctene 1946
Cyclopentadiene carbaheptaborane 2812
Cyclopentadienyl 39,182,185,663,668 669,671,1266,1711,1726-27,1737, 2202,2950
Cyclotetradecatetraene 2185
Cytidine 299
Diene 1826
DMF 1194
DMSO 169
Driers 2011,2533
EDDA 177,649,2809
EDTA 651,755,2344
Epoxy 3238
Polyester 2505
Ethanediol 2206
Ethanol 1194
Diethanolamine 2813,3003
Triethanolamine 502
Ethoxyethanol 2027
Ethylamine 2209
Triethylamine 1184
Ethylene 2191
Ethylenediamine 169,190,295,647,652 659,1189,1712,1723,2207,2806,2810, 2909,2981
Diethylenetriamine 167,2191
Triethylenediamine 2974
Triethylenetetramine 647
Ethylenetriamine acetate 300
Ethylenediaminediacetate 177,649
Ethylenediamine diacetate dipropionate 651,2793
Ethylenedinitrilotetraacetate 2496
Ethylenedithiolate 252
Ethyleneglycol dimethyl ether 749
Ethylhexoate 678,2212,2641-42
Ethylisopropylamine 2208
Ethyl methyl dithiophosphonate 1272
Fatty acid 967,2027

COBALT cont'd.
Flavoquinone 297-98
Fluoroacetylacetonate 1807
Gluconic acid 657
Glutamic acid 1724
Glyceryl phenylalanine 2324
Glyceryltyrosine 2324
Glycinate 300,1267
Glycine 1723,2050,3030
Glycollic acid 2362
Glyoximate 2790
Guanide 2805
Biguanide 2805
Hexoate 1198
Histidine 2805
HMTA 1194
Polyhydrazide 1493
Hydroxyiminoketone 2329
Hydroxynaphthalidene-methylamine 2964
Hydroxy nitropropiophenone oxime 2963
Hydroxypropanoic acid 2362
Hydroxypropyl phosphonate 504
Hydroxyquinolate 1830
Imidazole 2193
Diimine dioxime 2205
Iminobenzenethiolate 252
Iminodiacetate 1723
Polyiminoethylene dithiocarboxylate 2510
Iminothiazolidine-iminoisoindoline salt 1526
Isocyanide 1714
Isoindolebenzene macrocycle 1518
Isonitrosobenzyl methyl ketone 198
Isonitrosopropiophenone 198
Isonitrosopropyl methyl ketone 198
Isopropyl imidazole 2193
Ketazine 958
Ketoimine 2960
Diketonate 2310,3212
Kojate 1265
Lactic acid 657
Laurate 1483
Leucine 2805
Lysine 2834
Macrocycle complex 1191,1725
Maleonitriledithiolate 252
Malonate 1808,2197,2815
Malonic hydrazide 2952
Mercaptopropionic acid dialdehyde 1271
Mercaptoquinoline 1812
Mesoporphyrin 644
Methanesulphonate 908
Methoxybenzoate 2815
Methoxyhydroxylamine 674
Methyl 2823
Methyl aminocyclohexane 179
Methylaniline 744
Methylaziridine 1262
Dimethylbutyraldoxime-methylcarbamate 2058
Methylene aminobenzylideneiminate 2201
Trimethylenediamine 168,648,1712 2810-11
Hexamethylenetetramine 1194,2203
Trimethylenediamine diacetate 649
Pentamethylenetetrazole 2955
Methylene thiopropionate 2967
Methylethylenediamine 2835
Methylglyoximate 176
Dimethylglyoximate 653,1710,2196 2808,2799,2821,2823
Methyl heptadiene 1946
Methylheptadienyl 1731
Methyl imidazole 2193
Methyl isocyanide 1728
Methylphenylcyclopentadienyl 1115
Methylphenyl ketoxime 2829
Methylpiperidinol succinate 448
Tetramethylpiperidinol succinate 2497
Tetramethylpiperidine sebacate 916
Methyl pyridine 1186
Methylpyrroline 670
Methyl thiazole 2953
Dimethyl thiopyrone 2333
Methylthiourea 2817
Methynyl 2204
Morin 2969
Naphthaldehyde-thiosemicarbazone 2961
Naphthenate 750,1456,2476,2505
Naphthenic acid 2027
Nicotinic amide 2981
Nitrile 1731
Dinitrosalicylate 2331
Hexanonazine 958
Nonyl phenol 2310
Octoate 941,1483,2104,2476,3185-86
Octyl-alanine 1474
Organophosphate 752
Organophosphorus acids 1183
Ornithinate 2189
Ornithine 2834
Oxalate 1195
Oxime 1186,2329
Oxime acetal 1197
Dioximine 1182,3125

COBALT cont'd.
Pentanedionate 186,2806
Peptide 1560,2560
Phenanthroline 655,659,1181,1185,1190 1195,1719,1807,1809,2195,2810,2981
Phenyl 820,3125
Phenyl acetylene 172
Diphenyl acetylene 2796
Diphenylcyclopentadienyl 1115
Phenylene diimine 252
Diphenyl ether 512
Phenylhydrazine 180
Tetraphenyl porphinate 2211
Phenyl urea 2325,2839,3313
Phosphate 667
Phosphine 39,172-73,188-89,193,195 223,274,644,646,666,673,677,945, 1187,1193,1716-17,1735,1762,2187, 2786,2802,2808,2814,2820,2822,2828, 2833,2862
Phosphite 172,184,189,1199,1714,1732 1734,1735,1739,2186,2820
Phosphonate 2570
Phthalate 2815
Phthalocyanine 465,779,950,979,1498 1819,2004,2065,2529,3250
Picoyliminotetrahydraquinazoline 1269
Picrate 1821
Piperazinyl alkanoate 446
Polymer 459,1498,1502,1985,2511
Polymeric diamine 1492
Porphyrin 181,1192,1270
Propene aminate imine 2838
Propylenediamine 1730
Pyrazine carboxamide 2199
Pyrazine oxide 2837
Pyrazole 658
Pyrazolone 1980
Pyridine 39,176,178,1266,1733,1774 1807,2182,2184,2188,2190,2196,2211, 2799,2823,2826
Bipyridine 1807,2195
Terpyridine 2797
Pyridine butanedionate 2976
Pyridine oxide 2803
Tetrapyridinoporphyrazine 1274
Dipyridyl 655,659,660,1181,1190
Terpyridyl 2795
Pyridyl ketone 2330
Pyrrolidyl diazahexane 171
Pyrrolidyl diazaheptane 2792
Pyrrolidylmethyl cyclohexanediamine 664
Quaternary dipyrilium compound 502
Quercetin 2969
Quinoline 656
Quinolinol 2198
Resinate 1483
Salicylaldimine 1830,2960
Salicylate 1483
Salicylhydrazide 2824
Salicylic aldehyde 2981
Salicylidene glycinate 2194
Schiff base 183,194,459,679,758,1268 1718,1721-22,2024,2816,2819,2823, 2827,2830
Selenourea 1188
Selenuronium p-toluenesulphonate 1392
Silyl 2798
Poly(silyl)benzene 2316
Silylethylene 665
Silylmethyl 371
Soap 2543,2954,3241
Stearate 62,195,2543
Stibine 1762,2828
Streptomycin 486
Polystyrene 2518
Succinate 2815
Terosine 2797
Tetrahydrocorrin 1736
Tetrahydrothenylamine 745
Thenylamine 745
THF 39,512
Thiazole 1300
Thiazolyl benzimidazole 2977
Thiocarbamate 1830
Dithiocarbamate 667,2183,2192
Thiocarbamoylaminoguanidine 2980
Thiocarbazic acid 2807
Thioethylthioethane 2320
Dithiolate 1830
Dithiolene 1829
Dithiooxamide 768
Thiophenic acid 2981
Thiophene carboxamide 745
Dithiophosphinate 912
Thiosemicarbazide 642
Thiourea 1188,1710,2817,2951
Thioxanthate 2210
Tropolonate 2200
Tyrosine 2324
Valeric acid amide 2970
Valine 1723,2050,2805
Vinyl 3238
Vinyl glyoxinate 2190
Vinyl imidazole 2193
Vitamin B12, etc. 483-85, 993-98, 1547,2042,2547-50,3272-74
Xanthate 667,1830

COPPER
Acetate 1545,1816,2360
Acetophenone-benzoylhydrazone 743,748
Acetophenone salicoylhydrazone 743,748
Acetylacetonate 751,949,1407,1514, 1989,2684
Acetylene 1835,1852
Acetylglycine 2993
Acetylide 1904,2288
Acrylic 3238
Adenine 2369
Adenosine 299
Adenosine phosphate 2739
Alanate 1264
Alanine 305,306,773,2050,2356,3014
Alkanolamine 502
Alkyl 322,3022,3233
Alkylamine 1291
Alkyl aniline 3026
Alkylene diamine 905
Alkyl phosphonate 505
Alkyl pyridine 3026
Alkyl thiophosphate 452
Alkynyl 329
Allylpyrazole 742
Amidino-alkyl urea 762
Diaminated fat 1021
Amine 434-35,2684,2994,3026
Diamine 906
Amino 3238
Amino acid 305,2356
Aminobutyric acid 773,2356,2834,3030
Aminocarboxylic acid 3030
Aminoethylamine 315
Aminoethylether 3025
Aminoethylsulphide 3025
Aminoethylthiotoluene 309
Diaminohexane 435
Aminonaphtholate 2962
Diaminopentane 435
Aminophenol 757
Amino phthalamido acid 2342
Diaminopropane 3015
Diaminopropane-disuccinic acid 3005
Diaminopropanol 765
Aminopropionic acid 2834
Aminosulphonic acid 3030
Aminotetramethyl piperidine 2323
Amyloxy 1205
Aniline 2006
Arginine 305,1301,2834
Aryl 3233
Ascorbate oxidase 3276
Asparaginate 311,2356
Aspartic acid 2356
Azaannulene 704,2336
Hexaazacyclotetradecyne 1743
Azacyclotridecane 325
Triazaheptane 3025
Triazanonane 3025
Triazaoctane 3025
Tetraazaundecane 3025
Triazaundecanediamine 434-35
Azenide 271
Triazine 1811
Triazine trithiol 2968,3222
Aziridine 1262
Azo compound 2025
Azo dye 954,1520,2020,2526
Triazolyl 3308-9
Azolyl ether 1017,1278
Azomethine pigment 3254
BAF 2326
Bathocuproine 771
Dibenzenesulphonylcysteine 2983
Benzenethiolate 1833
Benzimidazole 3249
Benzimidazolyl alkanol 778
Dibenzodioxecin 1841
Benzoic acid 1810
Benzophenone-naphthol 675
Benzosemiquinone 1843
Benzoylacetone dioxime 1299
Benzoyl salicylal hydrazone 2358
Benzoylthiourea 294
Benzylamine 745,2354
Benzyl penicillin 1549
Biuret 705
Bleomycin 2340
Bromobenzoic hydrazide 703
Bromosalicylanilide sulphonate 2064
Butanedione nicotinylacetone 2973
Butyl 1846,2988
Butylamine 435,2684
Butyl ethylenediamine 905
Butylphthalocyanine 947
Butyl thiolate 1834
Butyraldoxime-N-methyl-carbamate 3307
Carbaldiimine 2351
Carboxylate 750,2366,3040
Carboxytetramethylpyrroline 2323
Casein 2965
Catechol 2981
Ceruloplasmin 3276
Chlorophthalate 3027,3239
Cuproin 434-35
Cycloalkyl 3233
Cyclohexylhydroxylamine 952
Cyclopentadienyl 2950

COPPER cont'd.
Cytidine 299
DIPS 754
DNA 2361
Dodecyl chloride 2315
EDTA 755,759,1848,2340,2344
Epoxy 3238
Ethanedithiolate 3010
Diethanolamine 3003
Triethanolamine 502,2059
Diethoxymethyl 2989
Ethylamine 314,3026
Ethylenediamine 295,305,434-35,759, 780,1836,2315,2981,3025
Ethylenediamine tetraacetic acid 1964
Ethylenediimine 1838,2990
Ethylenedimorpholine 3023
Ethylenedinitrilotetraacetate 2496
Ethyleneglycol dimethyl ether 749
Diethylenetriamine 323,1021,3312
Triethylenetetramine 323
Ethylenetriamine acetate 300
Ethyl phosphite 313
Ethyl porphyrin 1844
Ferrocene, dimethylaminomethyl 3018
Flavoquinone 297-98
Fluoroacetylacetonate 1807
Fluoromethylaminobenzhydroxamate 2565
Formazane dye 2527,3034
Glutamine 2356
Glutamic acid 2356
Glutathione 774-76
Glyceryl phenylalanine 2324
Glyceryltyrosine 2324
Glycinate 300,1267
Glycine 306,2050,2343,2356,3000,3017 3030
Glycollic acid 2362
Glycylglycine 305
Diglycyl histidine 317
Biguanide 306,761
Haemoglobin 1548
Hexanedione 1838
Hippurate 312,2993
Histidinate 311
Histidine 317
Histidyl histidine 2995
Polyhydrazide 1493
(Hydroxybutylphenyl)imine-quinone 2309
Dihydroxy chalcone 2985
Hydroxyiminoacetoamide 2063
Hydroxyiminoketone 2329
Dihydroxymethyl propanate 2365
Hydroxynaphthalidene-methylamine 2964
Hydroxynaphthoic acid 760
Dihydroxyphenylalanine 3024
Hydroxyproline 3006
Hydroxypropanoic acid 2362
Hydroxypropyl phosphonate 504
Hydroxyquinolate 757,767,1535,1830
Hydroxyquinoline polymer 1501
Hydroxyvalerophenone oxime 764
Imidazole 2996,3021
Imidazolyl 3308-9
Iminodiacetate 306,761,2959
Polyiminoethylene dithiocarboxylate 2510
Iminothiazolidone-iminoisoindoline salt 1526
Isobutylidene triphenyl phosphorane 782
Isobutyrate 1279
Isoindolebenzene macrocycle 1518
Isopropoxy 65
Diisopropyl salicylate 754
Keto alcohol 2363
Ketoimine 2960
Diketonate 3212
Ketone 2363
Kojate 1265
Laccase 3276
Laurate 1483
Lauryl formyl methane 756
Leucine 2343
Hexalofuranosonic acid 2048
Lysine 2356,2834
Macrocyclic amine 2357
Macrocyclic tetrathioether 2987
Malate 2355
Malic acid 2364
Malonic hydrazide 2952
Mercaptopropionic acid dialdehyde 1271
Mercaptopurine 2987
Metallocene 1832
Methoxy 2363
Methoxy benzoate 1298
Methoxyphenyl 1293
Methyl 330,1846,2988,3011,3022,3031
Dimethylaminoethanolate 2359
Methylaminophenyl 1293
Dimethylaminophenyl 1853
Methylaniline 744
Methylaziridine 1262
Dimethylbenzylphenol 2573
Methyl butanone oximate 3015
Dimethylbutyraldoxime-methyl-carbamate 2058
Methyl chalcone oxime 302

COPPER cont'd.
Pentamethylenetetrazole 2955
Methylene thiopropionate 2967
Dimethylethylenediamine 3025
Tetramethylethylenediamine 3025
Dimethyl formamide 1295
Methyl glycine 321
Methyl hydroxy naphthaldiminate 3012
Methyl isonicotinate 328
Methylisophthalaldehyde 2991
Methyl pyrazolyl gallate 3020
Methylpyrrolidine 906
Methyl sulphonate 1277
Methyl thiazole 2953
Dimethyl thiopyrone 2333
Morin 2969
Morpholine 2485,3023
Naphthaldehyde-thiosemicarbazone 2961
Naphthenate 470,750,1535,1994,2017
Naphthyridine 316
Neodecanoate 2528
Nicotinic amide 2981
Nitrosohydroxybenzocoumarin 2966
Nitrosonaphthol 1837
Dinitrosalicylate 2331
Nitrotoluene 2337
Norvaline 2356
Novolac resin 3215
NTA 2346
Octenyl ether 1303,3033
Octoate 1483
Octyl-alanine 1474
Olefin sulphonate 1831
Organophosphate 752
Ornithine 305,2356,2834
Oxime 2329
Oximinoketone 777
PAR 1290
Penicillamine 3279
Pentynyl 329
Peptide 1302,1560,2560
Dipeptide 2343,2349-50
Phenanthroline 304,306,761,1807,1809 2347,2981,2992,3014
Phenazine 2998
Phenyl 1293,2988
Phenyl acetylide 308
Phenylalanine 2342
Diphenylamidine 760
Phenylamino carboxylic ester 1815
Phenyl anthranilic acid 3001
Phenyl isocyanide 2368
Phenyl phosphate 1295
Phenyl porphyrin 1294
Phenylpyridyl ketoxime 786
Phenyl serine 1851
Diphenyl triazene 1206
Phenylurea 3313
Phleomycin 2340
Phosphine 308,318,326,519,945,1840 2219,2288,2337,3013,3029
Phosphinomethane 2338
Phosphite 1303,1850,3028,3033
Phosphonate 1275,2570
Phthalamidate 1291
Phthalocyanine 468,470,779,947,953 962,979,1522,1523,1524,1819,1999, 2000,2002,2006,2007,2065,2529,2531 2532,3250,3253,3255-60,3276
Picolinamide 2850
Picoline 2684
Picrate 1821
Polymer 459,2511,3222
Polymeric diamine 1492
Porphyrin 327,1270,1294
Proline 321
Propionate 1297
Propylene 1849
Protein 3276
Pyrazine 316,740,2998
Pyrazine oxide 2837
Pyrazolone 1980
Pyrazolyl borate 319,2999
Pyridine 1807,2048,2363,2684
Bipyridine 1807,2842
Pyridine butanedionate 2976
Pyridone 1292
Bipyridyl 306,761,781,2364,2986,3014
Pyridyl disulphide 307
Poly(4-pyridylethylene) 2506
Pyridyl ketone 2330
Pyridyloxyacetic acid 489
Quaternary dipyrilium compound 502
Quercetin 2969
Quinolate 928
Quinolinate 2574
Resin 2516
Resinate 1483
Salicylaldimine 1830,2960
Salicylic aldehyde 2981
Salicylate 1289,1483
Salicylic acid diphenyl amidine 1842
Salicyl biguanide 2341
Salicylidene diamine 2369
Salicylidene-diimino-azapentane 2367
Salicylideneiminate 2348
Schiff base 303,320,459,758,763,769 770,1268,1820,1839,2024,2345,2367, 3004,3007-8,3019

COPPER cont'd.
Selenocarbamate 3013
Diselenocarbamate 2321
Selenoureate 1390
Serine 773,2356,3014
Sparteine 2353
Stearate 1076,2017
Stearoyl formyl methane 756
Distearoyl methane 756
Stellacyanin 3276
Polystyrene 1505
Succinamide 3261
Succinimidate 766,1291
Succinimide 471
Sulphonate 2982
Sulphosalicylic acid 773
TAF 2326
Tetrahydrothenylamine 745
Thenoyl acetylfuran 2326
Thenylamine 745
Thiazolyl benzimidazole 2977
Polythiaether 1845,1847
Thiazolazochromatropate 1296
Thiazolylazonaphthol sulphamate 310
Thiazole 1300
Thioallophenate 2062
Thiocarbamate 1830
Dithiocarbamate 324,1001,2984,3009
3013,3197
Thiocarbamoylaminoguanidine 2980
Thiophenic acid 2981
Thiocarbonate 946
Thiocarbonohydrazidium 2352
Dithiolate 1830,2219
Dithiolene 1829
Thiomorpholine-diselenocarbamate 2321
Thiophene carboxamide 745
Thiourea 2951,3016
Threonine 311,2356,3002,3014
Thyminate 314
Toluene 1304-5
Tryptophenate 2339,2739
TTA 326
Tyrosine 2324,3017
Valeric acid amide 2970
Valine 305,773,2050,2343,3014
Vinyl 322,2989,3238
Polyvinylamine 1491
Vinyl ether 3031
Xanthate 1830

DYSPROSIUM
Amide 2108
Arylarsonate 1086
Benzoylacetonate 548
Benzylquinolinium 547
Cyclopentadienyl 1087
Hydroxyquinoline N-oxide 1089
Naphthyridine 2649
Diphenyl phosphine amide 2108
Phosphine 2108
Dipivaloyl methanate 2649
Dipivaloylmenthanate 2106
Pyrazine 2106
Bipyridyl 2649

ERBIUM
Amide 2108
Arylarsonate 1086
Benzylquinolinium 547
Cyclopentadienyl 1087,2109
Hydroxyquinoline-N-oxide 1089
Hexamethylenediaminetetraacetic acid
1641
Methyl thymol blue 1088,2647
Dimethyl sulphoxide 2648
Naphthyridine 2649
Phenyl 2109
Diphenylphosphine amide 2108
Diphenyl sulphoxide 2648
Phosphine 2108
Dipivaloyl methanate 2106,2649
Pyrazine 2106
Pyridine dicarboxylate 1644
Bipyridyl 2649

EUROPIUM
Acetate 2110
Acetylacetonate 2110
Alanine 555
Amide 2108
Aspartic acid 555
Dibenzoylmethanate 1647
Dibenzoylmethide 2110
Camphor 557
Carboxylate 555
EDTA 2644
Fluorothienyl butanedione 2651
Glutamic acid 555
Histidine 554,556
Hydroxyquinolate 2110
Lactic acid 555
Malic acid 555
Methide 2110
Tetramethylheptanedionate 2110
Methyl Thymol blue 1088
Naphthyridine 2649
Diphenyl phosphine amide 2108
Phosphine 2108
Dipivaloyl methanate 2649

EUROPIUM cont'd.
Dipivaloylmenthanate 2106
Pyrazine 2106
Pyridine dicarboxylate 1644
Bipyridyl 2649
Serine 555
Thiocarbamide 2653

GADOLINIUM
Diacetyl 2107
Amide 2108
Arylarsonate 1086
Benzil monoxime 2107
Benzoin 2107
Benzoylacetonate 548
Cyclopentadienyl 1087
DTPA 1643
Hydroxyquinoline N-oxide 1089
Methylpyridine 550
Methyl thymol blue 1088,2647
Naphthyridine 2649
Diphenyl phosphine amide 2108
Phosphine 2108
Dipivaloyl methanate 2106,2649
Pyrazine 2106
Pyridine 550,2107
Bipyridyl 2649
Salicyl 2107
Thenoyltrifluoroacetone 550
Thiocarbamide 2653
Vaniline 2107

GALLIUM
Alkyl 1327,2383
Aryl 796
Butyl 2383
Citric acid 1329
Cyclopentadienyl 2109,2384
Erythrocyte 1003,1567
Ethyl 1327,2383
Trifluoroacetyl camphor 2652
Hydroxamate 1327
Hydroxyazo compound 3073
Indazolyl 1331
Methyl 353,1327,2109,2384
Methylimidazole 354
Dimethylpyrazolyl 1330
PAR 3074
Phenyl 384,796,2109,2384
Phenyl azo dihydroxybenzene 3074
Triphenylmethyl 1398
Phosphonium betain 1328
Propyl 2383
Prostaglandin 1012
Pyrazolyl 1331
Quercetin sulphonic acid 2382
Tartaric acid 797
Thiazole 3072
Dithiocarbamate 3075

GERMANIUM
Acetylacetonate 1879
Acetylene 3092
Acetylide 1351
Alkanoate 1963
Alkaryl 1963
Alkenyl 1883
Alkoxy 1963
Alkyl 1883,1963
Alkyl acetate 362
Alkyl amine 3091
Amine 1882
Aminoacetylene 3093,3096
Aralkyl 1963
Arene 1255
Arsine 2898
Aryl 1878,1963
Arylthioalkane 984,1343
Diazoacetone 3082
Triazole 3095
Benzene 1255
Benzyl 1883
Tetrabromopyrocatechol 1880
Butyl 830,959,1341,3089-90
Carbodimide 1346-47
Carboxylate 2387
Chloropropyl 2013
Cyclopentadienyl 792,833
Cyclopentanol 1349
Cyclopentene 1344
Epoxy acetate 827
Ethyl 792,827,830,834,1341,1345,1346
1347,1351,1353,3089-90,3093,3096
Ethylene 3092
Germadioxolane 830
Germylenes, alkyl 832
Germylenes, phenyl 829,832
Germylene thiocomplex 3087
Glycolic acid 1348
Heterocyclic complex 364
Hydroxyethoxy 1489
Imidazole 3095
Isopropylcyclohexatrienone 1879
Ketoenolate 1879
Lactic acid 1348
Mercapto 3089-90
Mesitylene 1255
Methoxy 3089-90
Methyl 157,362,830,831,835-36,1145
1349,1351,1352,1354,1357,1883,2263

GERMANIUM cont'd.
Methyl cont'd.2388,2399,2401,2402, 3084,3089-90,3093,3094,3096
Methyleneamino 3085
Methyl germylene 3086
Methyl isocyanide 3084
Trimethylsilyl 2399
Trimethylsilyl methyl 3076
Oligomer 804
Dioxolane 1342
Phenoxy 3089-90
Phenyl 584,804,834,1145,1141,1351-52 1877-78,1881,1884,3089-90,3095
Diphenyl ketimine 2387
Phosphine 248,363,1122,2402,3083
Phthalimide 3095
Propyl 1352,3089-90
Pyrazole 3095
Quaternary ammonium 584
Succinimide 3095
THF 364
(Dithiacyclo)pentane 1350
Thiol 2386
Dithiophosphate 1352
Toluene 1255
Tolyl 1878
Tosyl hydrazine 2401
Tropolonate 1879
Vinyl 1353,3109
Xylene 1255

GOLD
Alcohol 1312
Alkyl 948
Amine 1312
Aminopyridine 975,1314
Arsine 336
Aryl 3046
Blood plasma substitute 499
Carbene 1312
Chlorophenyl 1336
Dodecyl mercaptide 2528
Ethylbenzyl 785,787
Ethylenediamine 2033
Diethyl phosphonium 2373
Ferrocene 787
Maleonitrile dithiolate 336
Metallocene 1832
Methyl 335,1858
Oxo-2-thione-5,5-dimethylthiazolidine 3047
Palmitate 1076
Phenyl 1859
Phenylpyridyl ketoxime 786
Phosphine 228,495,785,787,1313,1336 1552,1553-54,1858
Phosphinoethane 1859
Polymer 936
Polystyrene 936
Pyridine 975,1314,1336
Pyridine sulphonic acid 975,1314
Resin 2512,2513
Styryl 1313,1552
Succinamide 3261
Succinimide 471
THF 1552
Thioalkyl phosphine 495
Thioamide 3048
Dithiocarbamate 2372

GROUP IA
Acetate 1284,2603
Alkoxy 527,933,1032,2075-76,2080-81 2577
Alkyl 1586
Polyamine carboxylate 2085
Arylate 2578
Carboxylate 1585,3032
Pentachlorostyrene sulphonate 1993
Dichlorothiophene-sulphonate 919-20
Crown polyether 2978
Cryptate 529
Cyclooctatetraene 2440
Cyclopentanetetracarboxylate 1008, 1045
Diol sulphonate 3224
EDTA 2085
Ethoxylated alkane sulphonate 24
Ethylhexoate 3187
Glycollate 1008,1981
Hydrotetracycline 1578
Iminodiacetate 2085
Isobutyrate 1049
Macrocycle 529
Malylsalicylate 1006
Mercaptomethyltetrachlorothiobenzate 19
Methoxy 1032
Naphtholate 2578
Olefin sulphonate 3
Oxyalkylene sulphate 1046
Phenate 2578
Phthalocyanine 919-20
Polymer 933
Propylenediamine tetraacetate 2085
Propylhexoate 1562
Sulphinate 521
Sulphoglycopeptide 1558

GROUP IA cont'd.
Sulphonate 919-20
Thioalkanoate 944
Dithiocarbamate 1001,1002
Thiodipropionate 944

GROUP IB
Dibenzenesulphonylcysteine 2983

GROUP IIA
Acetate 1284,2603
Alkoxy 573,1067
Alkyl benzene sulphonate 1543
Carboxylate 1976,3032
Pentachlorostyrene sulphonate 1993
Dichlorothiophene sulphonate 919-20
Crown polyether 2978
Cryptate 529
Cyclooctatetraene 2440
Cyclopentanetetracarboxylate 1008
1045
Diol sulphonate 3224
Ethylhexoate 3187
Macrocycle 529
Malyl salicylate 1006
Olefin sulphonate 3
Phenate 3270
Phthalocyanine 919-20
Propoxy 573
Sulphoglycopeptide 1558
Sulphonate 919-20
Dithiocarbamate 1001,1022

GROUP IIB
Dibenzenesulphonyl cysteine 2983

GROUP III
Quercetin sulphonic acid 2382

GROUP IIIA
Alkoxy 1067

GROUP IV
Alkoxy 1487
Benzyl 2435
Hydroxy naphthaldehyde 2680
Methyl 2263

GROUP IVA
Benzyl 1423-24
Thiol 803
Thiophenol 803

GROUP IVB
Arsine 226
Phosphine 248,2439,3083

GROUP V
Alkoxy 1487

GROUP VB
Acetylacetonate 104
Phosphine 2439

GROUP VI
Cyclopentadienyl 3114
Dimethyl pyrazole 2731
Tropolyium phosphonium 2732

GROUP VIA
Alkoxy 1487

GROUP VIB
Acetylacetonate 104
Amine 582,2131
Phosphine 582,2131
Phosphite 2131

GROUP VIII
Dialkyl phosphoric acid 1766
Arsine 1761
Crotyl 1426
Phosphine 1426,1761
Phosphinic acid 1766

HAFNIUM
Acetonitrile 1098
Acetylacetonate 2689
Allyl 572
Antipyrinylmethane 1114
Diantipyrinylmethane 574
Dibenzoylmethanate 2689
Benzyl 1423-24
Butyl nitrile 1098
Chromotropic acid 1104
Crotyl 572
Cyclohexanediamine 1112-13
Cyclooctatetraene 572
Cyclopentadienyl 1111
Ethylenediamine 1112-13
Hafnocene 1111,2669-70
Isopropyltropolone 2674
Metallocene 2669
Dimethyl metallocene 2670
Naphthalene 1111
PAR 2675
Phosphine 2439
Phthalocyanine 1521
Piperazine 81
Porphyrin 2689

HAFNIUM cont'd.
Stearate 1580

HOLMIUM
Amide 2108
Benzoylacetonate 548
Benzylquinolinium 547
Cyclopentadienyl 1087,2109
Methyl 2109
Hexamethylenediaminetetraacetic acid 1641
Dimethyl sulphoxide 2648
Methyl thymol blue 1088
Naphthyridine 2649
Phenyl 2109
Diphenyl phosphine amide 2108
Diphenyl sulphoxide 2648
Phosphine 2108
Dipivaloyl methanate 2649
Dipivaloylmenthanate 2106
Pyrazine 2106
Bipyridyl 2649
Dithioacetate 2645

INDIUM
Acetate 1335,3067
Acetylacetonate 1568
Acetyl pyrrolate 1333
Aconitate 2562
Alkyl 1327
Citrate 2562
Cyclohexanone 356
Diene 356
EDTA 1013
Erythrocyte 1003,1567
Ethyl 1327
2-Ethylhexyloxyphosphine 2375
Trifluoroacetyl camphor 2652
Formate 3076
Formyl pyrrole 1333
Hydroxamate 1327
Ketoglutarate 2562
Lactate 355
Methoxy 1334
Methyl 353,798,1327,1335
Methylimidazole 354
Murexide 1873
Octoate 357
Triphenylmethyl 1398
Phosphonium betain 1328
Pyrrole 798,1333
Quercetin sulphonic acid 2382
Tartaric acid 797
Thiazole 3072
Dithiocarbamate 3075
Transferrin 2556

IRIDIUM
Acetylacetonate 2235
Acetylenyl fluoromethyl ethylene enyl 277
Allyl 1285,1793,2268
Aminopyridine 975,1314
Aminothiothiadiazole 2307
Arsine 1221,1285,1762,2277,2279,2867
Aryl diazo 734
Azenide 271
Bismuthine 1762
Butadiene 280
Cyclohexyl 733
Cyclooctadiene 1241,1791,2276,2932
Cyclopentadienyl 2235,2267-68
Cyclopentane 1792
Ethylenediamine 2909
Ethylmethyl dithiophosphonate 1272
Hexafluoroacetylacetonate 1793
Isoindoline 2918
Diketonate 1791
Dimethylenecyclopentane 1792
Methylene cyclopropene 2235
Methyl phosphinate 279
Nucleic acid 2318
Nucleoside 2318
Organic disulphide 2931
Phenanthroline 2930
Phenyl 733
Phenyl borane 735
Phosphine 270-72,274-76,278,280 732-34,1219-21,1241,1248,1285,1747 1761-62,1791,2239,2278,2279,2280, 2281,2283,2284,2861,2867-68,2893, 3036-37,3064
Picoline 1794
Piperidine 2282
Pyrazine 1243
Pyridazine 1243
Pyridine 975,1314,2235,2279
Pyridine sulphonic acid 975,1314
Pyrimidine 1243
Stibine 1285,1762
Sulphurdimine 2893
Dithiocarbamate 2929
Dithiophosphate 2932
Dithiophosphinate 2932
Thiophosphophosphine 2236
Tolyl 733,1794
Tolyl isocyanide 2277

IRON
Acetate 1286

IRON cont'd.
Acetophenone ethylenediamineanil 623
Acetyl 1814
Acetylacetonate 634,698,702,751,911 949,1267,1479,1502,1513,1818,1989, 2859,2972-73
Acetyl ergosterol 1688
Biacetyl monoxime 198
Adamantyl 2760
Alanine 2050
Alkoxy 424,678,2166
Dialkoxythiophosphate 2308
Alkylene 2715,2781
Alkyl ketone 198
Alkyl phosphonate 505
Alkyl thioester 2763
Alkyne 2158
Allane 2778
Allyl 1156-57,1166,1692
Amidine 1513
Amine 163
Aminoacid salt 447
Aminoethyl phosphonic acid 2322
Diaminoisopropanol bis(o-hydroxy-phenylacetic)acid 2311
Aminonaphtholate 2962
Aminonitrosopyrimidinediol 2755
Aminothiothiadiazole 2307
Aniline 1997
Aniline diacetic acid 1167
Anilinocyclohexadiene 160
Anthracyl glyoxal anil 2771
Arene 2776
Arsine 146,618,1196,2177,2765
Aryl carbene 1737
Azaannulene 2785
Octaazaannulene 1694
Tetraazaannulene 2336
Tetraazacyclohexadecatetraene 210
Tetraazamacrocyclic complex 622
Diazanorbornene 1160
Triazine 1811
Aziridine 1262
Azo dye 2012
Behenate 2543
Benzene disulphonate 2782
Benzenedithiolate 252
Benzo[c]cinnoline 1160
Benzoic acid 1810
Benzyl 1823
Benzylidene acetone 1688
Benzyl thiol 1147
Betaine 1687
Borabenzene 619
Bromothiobenzoate 2763
Butadiene 2775,2777
Butylamine 2005
Butyrophenone 2756
Caproate 2954
Caprylate 2954
Carbene 1737,2179
Carborane 148
Carboxylate 678,750,941,1419,1577 2769
Catechol 2981
Chlorobutadiene 158
Chlorocyclobutadiene 1703
Citrate 1577,2756
Copolymer 1561
Cresol sulphonphthalein 1698
Cyclobutadiene 152,1691,1695
Cyclobutenyl 2956
Cyclobutenylidene 2774
Cyclodienyl 2781
Cyclodithiane 2171
Cycloheptadienyl 1686
Cycloheptatriene 631
Cycloheptatrienone 632
Cycloheptatrienyl 1686
Cyclohexadiene 1709,2777
Cyclohexadienyl 154,2956
Cyclohexyl isocyanide 2005
Cyclooctadiene 2757
Cyclooctatetraene 160
Bicyclooctatetraenyl 2935
Cyclopentadienyl 39,115,149,154,159, 162,584,613,616,635-36,833,1147, 1159,1163,165,1170,1689,1692,1693, 1700,1737,1814,1823,2008,2169,2394 2413,2715,2760,2773,2778,2780,2950 3115,3200
Cy HDTA 2178
Cytochrome 3275
Diene 624,1158,1685,1826,2779
DMSO 615
EDTA 165,634,755,2178,2344,2756,2768 2784
Ethanol 1691
Diethanolaminoacetic acid 165
Ethylamine 1997
Ethylene 150,1217
Ethylenediamine 2981
Diethylenetriamine 2784
Ethylenediamine tetraacetic acid 165
Ethylenedinitrilotetraacetate 2496
Ethylenedithiolate 252
Ethylene monothiocarbonate 2317
Diethylenetriamine pentaacetic acid 2174
Ethyl fulvene 155

IRON cont'd.
Ethyl hexoate 678,2641-42
Ethylhexyl hydrogen phosphate 2312
Ethylketone 620
Ferricenium, carboxyethyl 1705
Ferricytochrome pyridyl 156
Ferrioxamine E 2043
Ferrocene 145,454,456,635,639,641, 1172,1177,1479,1708,2180,2181,2502 2748,2749,2750,2753,3267
Biferrocene 135
Ferrocene acetyl 137-39,1173
Ferrocenes, acyl 1173
Ferrocene, alkanoyl 3267
Ferrocene, alkyl 136,1174
Ferrocene, alkyl/aryl cyclopentadienyl 141
Ferrocene amide 640
Ferrocene, aryl 136
Ferrocene, butyl 2749
Ferrocene, chloroacetyl 1176
Ferrocene, cyclopentylene 1178
Ferrocene, diacetyl 2181
Ferrocene, diethyl 137-39
Ferrocene, dimethylaminomethyl 3018
Ferrocene, dimethyl keto 1478
Ferrocene, disulphonyl azide 2748
Ferrocene, ethyl 397
Ferrocene, formyl 142
Ferrocene, hydroxyalkyl 140
Ferrocene, hydroxyphenyl 1708
Ferrocene, hydroxy phenylethyl 140
Ferrocene, imminium salt 636
Ferrocene, pentafluorobenzoyl 3271
Ferrocene, phenoxy, phenoxyhexadiyne 1708
Ferrocene, phenyl 637
Ferrocene, polymer 1496,1984
Ferrocene, succinate 1173
Ferrocene, thiol esters 1176
Ferrocene, vinyl 133,397,1488,2507
Ferrocenediyl silane 1179
Ferrocenocyclohexanol 1175
Ferrocenocyclohexenone 1175
Ferrocenophane 135,2749,2751,2753
Ferrocenophanes, silicon bridged 1179
Ferrocenophane thiazine 2752
Ferrocenyl acetic acid nitrile amino 142
Ferrocenyl acrolein 142
Ferrocenyl alkylium complex 641
Ferrocenyl antibiotic carboxylate 2551
Ferrocenyl-9-barbaralyl 1706
Ferrocenyl bicyclononadienyl 1706
Ferrocenyl carbenium ion 134
Ferrocenyl chlorosilane 1705
Ferrocenyl cyclobutadiene 1703
Ferrocenyl cyclobutene 1702
Ferrocenylethynyl cycloheptatriene 1706
Biferrocenylene 135
Ferrocenyl naphthylsilane 1705
Ferrocenyl oxime 638
Ferrocenyl phenol 1177,1708
Diferrocenyl phosphine oxide 144
Diferrocenyl phosphinic acid 488
Diferrocenyl phosphinic/thiophosphinic acid 143
Ferrocenyl propane alkyl 166
Ferrocenyl propanoate 1704
Ferrocenylsilicenium ion 1180
Diferrocenyl thiophosphinic acid 488
Ferrorosamine A 3278
Flavoquinone 297-98
Fluoromethylaminobenzhydroxamate 2568
Trifluoromethylthiobenzoate 2763
Fluorescein 147
Fulvate 1161
Fulvene 155
Galactarate 1577
Glutamic acid 494
Glyceryl phenylalanine 2324
Glyceryltyrosine 2324
Glycine 2050,3017
Glycollate 1577
Haemoglobin 1007
Dihalobenzocyclobutene 1163
Hexylamine 1997
Dihydroanthracene 1159
Dihydropentalene 1690
Dihydrothiophene oxide 2761
Hydroxybenzyl 1691
(Hydroxybutylphenyl)imine-quinone 2309
Hydroxy-ethylethylenediamine triacetic acid 2178
Hydroxyiminoacetoamide 2063
Hydroxypropyl phosphonate 504
Hydroxyquinolate 1830
Iminobenzenethiolate 252
Iminodiacetic acid 2174
Polyiminoethylene dithiocarboxylate 2510
Isobutylene 149
Isocyanide 707
Isonicotinamide 615
Isonitrile 162

IRON cont'd.
Isonitrosobenzyl methyl ketone 198
Isonitrosopropiophenone 198
Isonitrosopropyl methyl ketone 198
Ketoenolate 2391
Diketonate 1419,2310,3212
Laurate 1513
Macrocyclic complex 210
Malate 1707
Maleonitriledithiolate 252
Malonate 164,1808,2756
Mannoheptonate 2313
Mercaptoacetate 2172
Mercaptocarboxylic acid 2172
Mercaptopropionate 2172
Mercaptoquinoline 1812
Mercaptosuccinate 2172
Mercaptyl 1168
Methanol 1691,2778
Methoxythiobenzoate 2763
Methyl 157,628,1165,3115
Methylamine 1997
Methylaminoferrocene 1770
Methylaziridine 1262
Methyl benzylaminosuccinate 2758
Dimethylene heptadienone 158
Trimethylenemethane 629
Methylimidazole 621,1696,2005
Methyl maleate 152
Tetramethylpiperidinesebacate 916
Methylpyrazine 615
Methylpyridine 615
Dimethyl sulphoxide 615
Myoglobin 2754
Naphthalene 1159
Naphthenate 750
Naphthocyclopropene 1169
Naphthol sulphonic acid 474
Naphthoquinone 1228
Naphthylfluorosilane 1172
Nicotinic amide 2981
Nitrilotriacetic acid 165
Nitrosonaphthol 474,1472
Nonyl phenol 2310
Norbornadiene 1215
Novolac resin 3215
NTA 165,2178,2346
Octatriene 2934
Octoate 941,1419,2740
Oleate 1513
Olefin 2778
Olefin sulphonate 1831
Organophosphate 752
Oxalate 2756
Palmitate 1479
Pentalene 1690
Pentanedionate 2391,3212
Peptide 1560,2560
Phenanthroline 614,625,1162,1699
1809,2168,2910,2981
Phenoxyisobutyrate 3282
Phenyl 360,584,1165,1171
Diphenylacetylene 1164
Phenyl arsonium chloroferrate 153
Phenylene diimine 252
Diphenylether 512
Diphenyl fulvene 2762
Triphenylmethyl 1398
Diphenylpentadiene 1701
Tetraphenyl porphinate 1697
Diphenyl propanedionate 2391
Phosphine 39,146,151,159,613,618
627-28,810,2177,2757,2765,2770,2772
Phosphite 159,617,627,2005,2773,2779
Phosphonate 1275,2570
Phosphonium 1687
Phthalocyanine 468,470,1819,1997,
2004,2005,3250
Phthalocyanineamine 1997
Picoline 1997
Picrate 1821
Piperidine 621
Polymer 934,935,1502,1555,2502,2507
2511,3221
Porphine 156
Porphyrin 621,1555,1696,2175
Propylamine 1997
Polypropylene maleic acid adduct
1484
Propylthiol 2766
Pyrazine 615,630
Pyrazoline 1160
Pyridine 39,615,621,1997,2170,2184
Terpyridine 2797
Pyridine-aldoximate 1135
Pyridyl 2910
Pyridylazabutenylamine 687
Poly(4-pyridylethylene) 2506
Quaternary ammonium 584
Ribonucleic acid 494
Salicylaldimine 1830
Salicylic aldehyde 2981
Schiff base 626,1820,2167
Silacyclohexadienyl 2783
Silyl 1170
Poly(silyl)benzene 2316
Silylmethyl 371
Soap 2543,2954
Stearate 62,784,1076,1479,2543,3210
Stibine 2177

IRON cont'd.
Tartrate 1577
Terosine 2797
Tetraline 1159
THF 39,512
Thiazolidenedione 2317
Thiazoline 2759
Thiobenzoate 2763
Dithiocarbamate 161,633,1001,1581
1830,2173,2568,2767
Thiocarbonate 946
Thioester 616
Dithiolate 1830
Thiomorpholine dithiocarbamate 161
Thiophenic acid 2981
Thiotoluate 2763
Tropone 160,632
Ditropylium carbonyl 631
Tyrosine 2324,3017
Unsaturated hydrocarbon 2176
Valine 2050
Vinylcyclohexene 2775
Vinyl ferrocene 1984
Poly(vinylferrocene) 3221
Xanthate 1830
Xylenene 160

LANTHANIDES
Acetylacetonate 561
Diaminocyclohexane tetraacetic acid 549
Arylarsonate 1086
Benzylquinolinium 547
Cyclopentadienyl 1087
DTPA 1643
Hydroxyquinoline N-oxide 1089
Hydroxyquinoline sulphonic acid 549
Diketonate 561
Methyl malonic acid 1642
Methyl thymol blue 1088,2647
Naphthyridine 2649
Dipivaloyl methanate 2649
Bipyridyl 2649
Salicylic acid 549

LANTHANUM
Diacetyl 2107
Alizarin red 2646
Alkoxy 1287
Amide 2108
Aminocarboxylate 545
Diaminocyclohexane tetraacetic acid 549
Diaminocyclohexenetetraacetate 545
Benzil monoxime 2107
Benzoin 2107
Benzoylacetonate 548
CDTA 551
Cyclohexanediaminetetraacetate 551
Cyclopentadienyl 1087,1090
DTPA 1643
Hydroxyquinoline N-oxide 1089
Hydroxyquinoline sulphonate 545
Hydroxyquinoline sulphonic acid 549
Methylmalonate 1646
Dimethyl sulphoxide 2648
Naphthyridine 2649
Hexaoxa-cyclooctadecin 2324
Diphenyl phosphine amide 2108
Diphenyl sulphoxide 2648
Phosphine 2108
Dipivaloyl methanate 2649
Propyl heptoate 1562
Pyrazine 2106
Pyridine 2107
Pyridine dicarboxylate 1644
Bipyridyl 2649
Salicyl 2107
Salicylate 545,549
Salicylol hydrazide 546
Sulphosalicylate 545
Sulphosalicylic acid 549
Tetracycline 3277
Dithioacetate 2645
Vaniline 2107

LEAD
Acetate 375,1284,1545,1806,1828
Acetoacetic ester 963
Acetylacetonate 949,1276
Alkanoate 1963
Alkaryl 1963
Alkoxy 1287,1963
Alkoxy alcohol 2027
Alkyl 1371,1963,2567
Alkyls, etc., in olefin polymerisation 478-81,980,1540,2035,3264
Alkyl thiophosphate 452
Diaminated fat 1021
Aminonaphtholate 2962
Aminothiol 753
Aralkyl 1963
Aryl 1878,1963
Arylmethyl 1902
Triazine trithiol 2968,3222
Benzotriazolide 378
Butyl 378,959
Carboxylate 941,967
Dicarboxylic acid 2335
Hexacosane 376

LEAD cont'd.
Trienonate 3088
Epoxy resin 963
Ethoxyethanol 2027
Ethyl 377,379,399,837,1901
Diethylenetriamine 1021
Fatty acid 967,2027
Hemlock bark 1288
Iminodiacetic acid 2959
Isononanoate 2533,3240
Laurate 1483
Melamine-formaldehyde 1510
Mercaptopropionate 2567
Methyl 377,379,1340,1357,1822,1901 1902,2386,3084
Methyl isocyanide 3084
Naphthenate 3240
Naphthenic acid 2027
Nicotinate 1379
Octoate 445,941,1483
Hexaoxa-cyclooctadecin 2324
PAR 2539
Peanut skin 1288
Phenyl 378,584,1878,2567
Phthalate 380,445,1978,3218
Phthalocyanine 979,3252
Polymer 3222
Quaternary ammonium 584
Resinate 1483
Salicylate 1483
Soap 922,1544,3241
Stearate 441,1481,1978,1979,3218
Styphnate 2405,2406
Sucrose 2404
Tetracyanoethylene 379
Thioalkanoate 944
Dithiocarbamate 3197
Thiodipropionate 944
Thioglycollates 2567
Thiol 803,2386
Thiophenol 803
Dithiophosphate 988,1546
Tolyl 1878
Tropolonate 3088
Urea-formaldehyde 1510

LITHIUM
Acetaldehyde 940
Acetate 689
Acetonitrile 1028
Acetylbenzoyltetracarbonyl 2737
Acetylene 1852
Acetylide 1351
Alkane 4
Alkene 4
Alkenyl borate 5
Alkoxy 261,466,933,1514,2590,2640
Alkyl 1589,1596,2467-68,2490-91,3022 3142
Dialkyl alanate 2585
Alkyl amide 526
Dialkylborate 2582
Alkyl dialkynyl borate 6
Alkyloxy 513
Alkynyl 329
Allyl 8,1035
Amine 1450,1595
Polyamine 2586,2637
Aminoether 2637
Anthracine 508
Aryl 796
Aspartic acid 2053
Azelate 2038
Azo dye 954,973
Benzophenone 1591
Benzoyl 2737
Benzyl 1031
Borneol 2074
Butadiene 859,890,904,1950
Polybutadiene 1495,1504,1517,1959
Butoxy 62,2619,3183
Butyl 7,9,62,427,437,493,516,618,702 852,893,898,901,904,1012,1026-27, 1029,1033,1080,1094,1303,1594-96, 1618,1846,1852,1952-54,1967,2068, 2088,2095,2467-68,2490-91,2587, 2589-90,2638,2639,2656,3189-90, 3195
Butylamine 1450
Carbenoid 515
Carboxylate 14
Carboxylic acid 2484
Cryptate 529
Cyclododecatriene 1750
Cyclohexadiene 4
Cyclohexane 4,1953
Cyclohexene 4
Cyclohexyl 1058,2640
Cyclooctadiene 510,1715
Cyclooctatetraene 2440,2695
Cyclopentadienyl 1100
Enolate 1590
Ester 1587
Ethenyltrialkyl borate 5
Ethoxy 62,1638
Ethyl 13,1351,1416,1618
Diethylamide 426,2579
Ethylene 1750
Polyethylene oxide 2509
Diethylethylenediamine 1450

LEAD cont'd.
Fluorenyl 2509
Bifluoroenyl 514
Glutamic acid 2053
Grignard, propyl 1054
Glycol isophthalate sulphonate 903
Halogenbipyridine 1026
Haloketone 515
Hydroxystearate 986,2038,3269
Imidazolinyl diarylcyclopropane 493
Isoborneol 2074
Isobornyl 2638
Isobutyl 1038
Isobutyrate 466,1049,2484
Isoprene 890,897
Isoprene rubber 1954
Isopropoxy 2638
Isopropylamide 12
Diisopropylamide 2587
Ketal 1590
Ketyl dimer 1584
Dilithium 1953
Macrocycle 529
Menthol 2074
Mercaptide 1592
Methoxy 517,923,2081
Methyl 44,224,330,335,533,1351,1618
1846,2737,3011,3022,3084
Dimethylbutoxy 1035
Hexamethyl disilazine 509
Methylethylenediamine 514,1589
Tetramethylethylenediamine 1094
Methyl isocyanide 3084
Methylphenylcyclopentadienyl 1115
Methylpiperidinol succinate 448
Methyl quinoline 2581
Methyl salicylate 2038
Trimethylsilylmethyl 3087
Methylsilyl uracil 1588
Monomethyl terephthalate 2314
Myristate 14
Naphthalene 1562,1951,1953,3148
Naphthenate 2022
Neopentyl 864,1035
Octene 519,1597
Octenol ether 1303,3033
Octoate 2022
Olefin sulphonate 1043
Overbased phenate 2541
Dioxaoctane dicarboxylic diamide
2087
Palmitate 14
Pentadiene dimethyl ether 1593
Pentynyl 329
Phenyl 44,753,796,1028,1031,1351
1594,1618,1715,1750,2072,2588
Phenyl acetylene 11,2576
Phenyl allyl 8
Diphenyl cyclopentadienyl 1115
Diphenylether 512
Phenylethynolate 511
Diphenylhexyl 437
Triphenylmethyl 933
Triphenyl phosphinoacetylmethylene
2580
Diphenyl propene 1582
Phosphine 1983
Phosphite 1303
Phospholene 1034
Phthalocyanine 950
Polymer 466,933,1034,1509,1983
Propyl 1618
Polypropylene maleic acid adduct
1484
Prostaglandin 1012
Pyrido(b)cycloalkene 2072
Ricinoleate 2536
Sebacate 2038
Selenourea 1188
Silylmethyl 1094
Silyloxy 513
Methylalkoxychloro 1592
Soap 986,2038,3269
Stearate 2544
Polystyrene 1517
Styrene-butadiene oligomer 428
Polystyryl 3220
Sulphonated polystyrene 902
Tartrate 10
THF 510,512
Trithiane 2073
Trithioacetaldehyde 2073
Thioallophanate 2062
Pentathiocane 2073
Tetrathiocane 2073
Thiomalate 10
Toluonitrile 2583
Tolyl methyl 1094
Uric acid 1002

LUTECIUM
Amide 2108
Benzylquinolinium 547
CDTA 551
Cyclohexanediaminetetraacetate 551
Cyclopentadienyl 1087
Methyl thymol blue 1088,2647
Diphenylphosphine amide 2108
Phosphine 2108

MAGNESIUM
Acetylacetonate 400,911,1989,2100

MAGNESIUM cont'd.
Acetylene 43,2617
Diacetyl ornithine 3294
Acyl phosphonate 40
Adenosine 299
Alkoxy 424,573,1514,2640
Alkoxyethoxy 52,56
Alkyl phenate 2036
Alkyl thiophosphate 452
Allyl 2089
Allyl naphtholate 2609
Aminoethyl phosphonic acid 2322
Aminonaphtholate 2962
Aryloxy alkanoate 498
Diazanonane 42
Aziridine 1262
Triazolyl 3308-9
Benzimidazole 1631
Benzyl 394,1423-24,2089
Bromosalizylanilide sulphonate 2064
Butyl 845-47,1631,3145-46,3154
Butylphthalocyanine 947
Butylpyridine 1005
Caprolactam 1628,2097
Carboxylate 921,1529,1577
Carboxymethyl aspartic acid 2611
Caseinate 999
Cephalosporin 1024
Dichlorobenzoate 507
Chlorophenoxyisobutyrate 498
Citrate 1480,1577
Copolymer 2025
Cryptate 529
Cyclohexyl 1058
Cyclopentadienyl 39,1100
Cytidine 299
Enol benzonate 34
Ethoxy 1407
Ethyl 36,3145-46,3158
Ethylacetoacetate 400
Ethylhexoate 3187
Ethyl imidazolyl 2060
Diethylorthophosphate 594
Flavoquinone 298
Hexafluoroacetylacetonate 2610
Fluoroalkyl 1051
Fluoromethylaminobenzhydroxamate 2565
Galactarate 1577
Glycollate 1577
Grignard 37-39,44-50,386,532-35 822-23,876-79,882,899,901,1052-63, 1383,1426,1540,1617-30,1941,2060, 2095-99,2449-50,2608,2612-16,2618, 2619-20,2627,2656
Grignard, adamantyl 1626
Grignard, allyl 1619,2089
Grignard, aryl 1621
Grignard, benzyl 1423,1619,1626,2089 2090,2123
Grignard, crotyl 1056
Grignard, cyclohexyl 3119
Grignard hexadecyl 1456
Grignard, lactam 1466,2094
Grignard, mesityl 1624
Grignard, methylcyclobutylmethyl 1625
Grignard, methylmethoxy 1627
Grignard, methylphenyl 1621
Grignard, neophyl 2123,3118
Grignard, norbornadiene 535
Grignard, propyl 1054
Grignard, silyl 2614
Grignard, styryl 1552
Grignard, undecyl 1063
Grignard, vinyl 1057,1629-30,2099
Guanosine cyclic phosphate 3303
HMPA 51
Hydroquinone 2958
(Hydroxybutylphenyl)imine-quinone 2309
Hydroxypropyl phosphonate 504
Imidazolyl 3308-9
Isobutyl 1030
Isobutylphenylacetate 1009
Isohumulone 1004
Isopropoxy 2694
Ketyl 41
Lactam 1466,2094
Lactate 921
Lysine 3294
Macrocyclic complex 42,529
Malate 921
Methoxy 424,2036,2081
Methyl 35,36
Methylaniline 744
Methylaziridine 1262
Methyl-2-phenylpropyl 1918
Methylpiperidinol succinate 448
Monomethyl terephthalate 2314
Montanate 1976
Naphthenate 482
Neophyl 1918
Octoate 1529
Olefin sulphonate 1831
Organophosphate 405
Overbased lubricant additive 1541
Oxalate 701
Dioxaoctane dicarboxylic diamide 2087

MAGNESIUM cont'd.
Oxytetracycline 2056
Peptide 1560
Phenanthroline 1064
Phenoxyisobutyrate 3282
Phenyl 36,899
Phenylallyl phenoxy 1616
Diphenyl methylene amine 1615
Phenyl propenyl 37
Phenyl urea 2325
Phosphine 39
Phosphonate 1275,2570
Phthalate 2091,2505
Phthalocyanine 947
Porphine 531
Propionate 1575
Propoxy 573
Propylamide 530
Polypropylene maleic acid adduct 1484
Pyridine 39
Pyrocatechol 2958
Dipyridyl 1064
Salicyl salicylate 1009
Soap 922,1070
Stearate 507,1044,1534,1559
Sulphonated polystyrene 902
Tartrate 10,1577
THF 39,1615
Thioacetylide 1051
Dithiocarbamate 1022,1050
Thiomalate 10
Tolyl 2096
Tryptophane 3295

MANGANESE
Acetate 870,1286,1545,1816,2481 2831-32
Acetophenone benzoylhydrazone 743 748
Acetophenone salicylhydrazone 743 748
Acetyl 119-20
Diacetyl 612
Acetylacetonate 124,439,751,911,949 1469,1513,1818,2972-73
Acetylacetone 1514
Acetylbenzoyltetracarbonyl 2737
Acetylphenyl 121
Acridine 2328
Acrylic 3238
Acyl 2706
Adenosine phosphate 2739
Adrenoline 123
Alanine 2050
Alkoxy 424
Alkoxyalcohol 2027
Alkyl 2734,3233
Alkyl phosphonate 505
Alkyne 2158
Allyl 3160
Amidine 1513
Aminoacid salt 447
Aminobutyric acid 3030
Aminocarboxylic acid 3030
Aminoethyl phosphonic acid 2322
Aminonaphtholate 2962
Aminosulphonic acid 3030
Arsine 125,1124,1150,2721,2736
Aryl 3233
Triazolyl 3308-9
Azolyl ether 1017,1278
Diazomethane 2742
BAF 2326
Behenate 2543
Benzene 583,1675
Benzoximine 1966
Benzoyl 119-20,2737
Benzoylphenylcarbene 1152
Benzoylphenyl hydroxylamine 606
Benzyl 1823
Benzyl methyl sulphide 611
Benzyl penicillin 1549
Butanedione nicotinylacetone 2975
Butyl 1094
Carbene 1152,2706
Carboxylate 750,967
Dicarboxylic acid 2335
Catechol amine 123
Dicyanobenzene 1153
Cycloalkyl 3233
Cyclobutenyl 2956
Cycloheptatriene 583,2159
Cyclohexadienyl 2956
Cyclooctatetraene 1151
Cyclopentadienyl 583,609,981-83,1152 1538,1677,1679,1700,1823,2008,2161 2163,2733,2734,2735,2738,2950,3266
Dicyclopentadienyl 119-20
Cymantrene 1677
Diene 1826
DIPS 754
Dopa 123
Dopamine 123
Driers 2533
EDTA 755
Epoxy 3238
Ethoxycarbonylcarbyne 610
Ethoxyethanol 2027
Ethylacetoacetate 1514
Tetraethylammonium 1674
Ethylene 609

MANGANESE cont'd.
Ethylene carbonate 586
Ethylenedinitrilotetraacetate 2496
Ethyleneglycol dimethyl ether 749
Fatty acid 967,2027
Flavoquinone 297-98
Glyceryl phenylalanine 2324
Glyceryltyrosine 2324
Glycinate 1267
Glycine 2050,3030
Haemoglobin 1548
Histidine 1681
Hydroxyarenoxime 1965
Hydroxybenzoate 469
Hydroxyiminoacetoamide 2063
Hydroxynaphthoquinone 607
Hydroxy nitropropiophenone oxime 2963
Hydroxyquinolate 1830
Imidazolyl 3308-9
Polyiminoethylene dithiocarboxylate 2510
Isocyanide 1126
Isocyanoborane-trimethylamine 3039
Diisopropylsalicylate 754
Diketonate 3212
Kojate 1265
Laurate 1513
Malonate 1808
Mercaptoquinoline 1812
Methoxybenzoyl hydrazine 1680
Methyl 120,126
Methylcyclopentadienyl 609
Tetramethylethylenediamine 1094
Methylpiperidinol succinate 448, 2497
Tetramethylpiperidine sebacate 916
Methylthio 2743
Morin 2969
Morpholinocarbodithioate 2132
Naphthenate 750,2027
Naphthyl 2734
Dinitrosalicylate 2331
Nucleic acid 2318
Nucleoside 2318
Octyl-alanine 1474
Oleate 1513
Olefin 1677
Organophosphate 752
Oxinate 2741
Phenanthroline 1809
Phenyl 120,1676
Phenylaminocarboxylic ester 1815
Diphenyl ether 512
Tetraphenyl porphyrin 1682
Phenyl urea 2325
Phosphine 125,1124,1150,1678,2164
Phosphite 2164
Phosphonate 2570,3265
Phosphonium 1675,2733
Phthalocyanine 779
Picoyliminotetrahydraquinazoline 1269
Picrate 1821
Piperazinyl alkanoate 446
Polymer 459
Porphinate 122
Pyrazolone 1980
Pyridine 122
Pyridine butanedionate 2976
Dipyridyl 608
Pyridylbenzimidazole 2704
Poly(4-pyridylethylene) 2506
Pyridyl ketone 2330
Pyruvoyl 2740
Quercetin 2969
Quinolinolate 2162
Salicylaldimine 1830
Schiff base 459,605,1268,2827
Sebacate 1279
Silyl 2734
Silylmethyl 1094
Soap 2543,3241
Stearate 1076,2543
Stibine 1124,1150
Sulphonium 2733
TAF 2326
Thenoyl acetylfurane 2326
THF 512,609
Thiazolidinylidene 2157
Thiazolyl benzimidazole 2977
Thioallophenate 2062
Thiocarbamate 1830
Dithiocarbamate 1001,1022,2047,2160 2568,2571,3315
Dithiolate 1830
Tolylmethyl 1094
Tryptophan 2739
Tyrosine 2324
Valine 2050
Vinyl 3238
Xanthate 1830

MERCURY
Acenaphthalene 3069
Acetate 347,870,1535,1806,1828,1989
Acetoacetic ester 963
Acetoxy-cresyl alkyl ether 500
Acetylacetonate 2380
Acetylglycine 1316

MERCURY cont'd.
Acridine 2328
Adenium chloride 352
Diaminated fat 1021
Diaminoethane 3067
Aminothiol 753
Aniline base 345
Arene 3069
Arsine 794,1325,3070
Aryl 3067,3068
Triazine trithiol 2968,3222
Diazoacetone 3082
Benzene 1368,3069
Benzoic acid 1321
Benzoylacetonate 2380
Dibenzoylsulphide 788
Benzyl 351,1869
Benzylamine 745
Bromomethylpropene 1871
Bromphenol blue 3065
Butyl 1321
Crown polyether 2978
Cyclohexyl 1870
Cyclooctadiene 3063
Cyclopentadienyl 2008,2379
Cyclopropane 1322
Dodecyl succinate 3234
Dodecylsuccinate 1535
Epoxy resin 963
Ethanedithiolate 3010
Ethyl 795
Ethylenediamine 1316,3049
Triethylenetetramine 3049
Diethylenetriamine 1021,3049
Ethyl silyl 348
Hexafluoroacetylacetonate 2380
Formate 347
Glutaraldehyde butanedithiol 1497
Trihalomethyl 1870
Hemlock bark 1288
Hexene nitrile 350
Tetrahydrothenylamine 745
Hydroxyphenyl propane 1512
Hydroxypropyl phosphonate 504
Hydroxyquinoline polymer 1501
Polyiminoethylene dithiocarboxylate 2510
Diketonate 2380
Lactone 346
Melamine-formaldehyde 1510
Mesitylene 2717
Methionine 3066
Methyl 344,835-36,1340,1357,2380 3063
Dimethyl chlorosilyl 349
Tetramethylethylenediamine 3049
Methylpyridine 3067
Trimethyl silyl 343,3071
Methyl sulphonate 1277
Morpholine 1316
Naphthenate 1535,3231
Nitrobenzyl hydrazine 1315
Norbornadiene 3063
Oleate 1535
Polyoxypropylene glycol 1515
Paludrine 487
Peanut skin 1288
Penicillamine 3066
Pentanedionate 1323
Pentene nitrile 350
Phenanthroline 1316,1809,3065,3067
Phenyl 1321,1322,1368,1535,1869,1872 3080,3234
Phenylacetylenide 3068
Phenylethyl 1870
Phosphine 1222,3064,3070
Phosphite 1735,1739
Phosphonate 2570
Picryl iodide 1869
Piperazine 1316
Polymer 936,1497,1986,2511,3222
Porphyrin 3062
Propionate 1535
Pyridine 1316
Bipyridine 1316
Resin 2512,2513,2516
Silyl 343,348-49
Stearate 3231
Stibine 3070
Polystyrene 936
Sulphonate 2982
Thenoylamine 745
THF 350
Dithiocarbamate 1535
Thiocarbamoylaminoguanidine 2980
Thiol 803
Thiophene carboxamide 745
Thiophenol 803
Thiosteroid 2381
Dithizonate 1461
Urea-formaldehyde 1510
Vinyl 795,1326

METAL
Acetylacetonate 1468,2003
Alkoxy 2003
Diaminated fat 1021
Aminothiol 753
Aryldiazonium cation 746
Benzal dioxime 1282

METAL cont'd.
Crown polyether 2978
Cyclopentadienyl 635-36
Diethylenetriamine 1021
Macrocyclic ligand 747
Phthalocyanine 2007
Polymer 935
Tetrapyridinoporphyrazine 1274
Salicyl dioxime 1282
Dithiocarbamate 2540

MOLYBDENUM
Acetonitrile 3161
Acetylacetonate 104,751,1669,1817 2971-72,2979
Acetylene 2143
Alkoxy 1283
Alkyl 2725
Alkylene 2715
Alkynyl thioester 585
Allyl 1285,2152
Amine 582,2131
Polyamine 2037
Aminocarboxylate 102
Aminophosphine 601
Arene 89,1146
Arsine 581,1133,1285,2327,2719,2721
Aryl 2725
Benzene 593,1146
Benzocinnoline 1658
Benzonitrile 105
Benzyl 1823
Benzyl thiol 1147
Cycloalkene 2153
Bicyclo[6.2.0]deca-2,4,6-triene 2726
Cycloheptatriene 579,631
Cycloheptyl 2148
Cyclopentadienyl 39,110,113,114,115, 579,601,604,1121,1144,1147,1148, 1266,1693,1823,2008,2143,2151,2154 2392,2715,2720,2725,3114
Ethanethiol 1125
Ethylbenzene 593
Ethylene 109
Tetrahydrofuran 2145
Hydroxyquinolinate 602
Hydroxyquinolinium complex 602
Imide 103
Indenyl 1144
Isopropyl 2725
Tetraline 1146
Mesitylene 1120,2717
Methyl 1121,1145,2392,3084
Methylaminobenzoate 1120
Methylbenzoate 1120
Methyl hydrazide 112
Methyl isocyanide 3084
Dimethyl pyrazole 2731
Dimethyl sulphoxonium 1659
Methyl trithiane 101
Nucleic acid 2318
Nucleoside 2318
Phenanthrenequinone 111
Phenanthridine 1658
Phenanthroline 587,1667,2722
Phenyl 584,1145
Diphenyl acrylonitrile 2724
Diphenyl benzamidinate 106
Phenyl ethoxy carbene 867
Phenyl isocyanide 2730
Phosphine 39,88,102,103,109,112,582 1120,1122,1148,1285,1670,2131,2149 2153,2723
Phosphite 2131,2146
Picoline 2716
Pyridine 39,1266,1774,2716,3161
Bipyridine 587,1120
Pyridinium 2150
Bipyridyl 2152
Dipyridyl 1667,2722
Pyridyl amine 2152
Pyrocatechol 1668,2718
Pyrogallol 2718
Quaternary ammonium 584
Schiff base 2727
Stearate 415,907
Stibine 1285
Sulphonate 2037
THF 39
Thiacyclooctane 101
Dithiobenzoate 2147
Dithiocarbamate 107-8,2144,2720
Thiol 2720
Dithiophosphate 1546
Tiron 2718
Tolyl 2725
Tropylium 1123
Ditropylium carbonyl 631
Tropylium phosphonium 2732

NEODYMIUM
Diacetyl 2107
Alizarin red 2646
Amide 2108
Aminocarboxylate 545
Diaminocyclohexane tetraacetic acid 549
Diaminocyclohexene tetraacetate 545
Benzil monoxime 2107
Benzoin 2107

NEODYMIUM cont'd.
Benzoylacetonate 548
Cyclopentadienyl 1087
EDTA 2676
Fumarate 2113
Hydroxyquinoline N-oxide 1089
Hydroxyquinolinesulphonate 545
Hydroxyquinoline sulphonic acid 549
Maleate 2113
Hexamethylenediaminetetraacetic acid 1641
Methylmalonate 1646
Methyl thymol blue 1088
Dimethyl sulphoxide 2648
Naphthyridine 2649
Diphenyl phosphine amide 2108
Diphenyl sulphoxide 2648
Phosphine 2108
Dipivaloyl methanate 2649
Dipivaloyl menthanate 2106
Pyrazine 2106
Pyridine 2107
Pyridine dicarboxylate 1644
Bipyridyl 2649
Salicyl 2107
Salicylate 545
Salicylic acid 549
Sulphosalicylate 545
Sulphosalicylic acid 549
Tetracycline 3277
Thiocarbamide 2653
Vaniline 2107

NICKEL
Acetaldehyde 2226
Acetate 192,689,870,1286,1545,2229 2855
Acetic acid 204
Acetophenone benzoylhydrazone 743 748
Acetophenone salicylhydrazone 743 748
Diacetyl 1201
Acetylacetonate 67,220,688,702,714 911,949,1448,1502,1513,1753,1818, 1949,2234,2445,2566,2859,2971-72
Acetylene 215,695
Biacetyl monoxime 198
Acetylpyridine 202
Acridine 2328
Acrolein 2226
Acrylate 205,3238
Acrylonitrile 205
Adenine 2218
Adenosine 299,2218
Alanine 688,2050
Aldehyde 1201
Alkoxy 424,678,1738
Alkoxyalcohol 2027
Alkylaryl sulphonate 1975
Alkyl dithiocarbonate 2221
Alkyl ketone 198
Alkyl phosphonate 505
Allyl 206,218,1397,2226,2232,2862-63 2865
Amidine 1513
Amidino-alkyl urea 762
Amine 1969,3199
Amino 3238
Amino acid 2220
Amino acid salt 447
Aminobutyric acid 2834,3030
Polyaminocarboxylate 2227
Aminocarboxylic acid 3030
Diaminoethane 2535
Aminoethyl phosphonic acid 2322
Aminoethyl quinoline 2213
Aminonaphtholate 2962
Diaminopropanol 765
Aminopropionic acid 2834
Aminopyrimidine 2199
Amino sulphonic acid 3030
Aminotetramethylpiperidine 2323
Amyloxy 1205
Arginine 2834
Arsine 200,222,1124,2332,2475,2854
Aryl 1741
Aryl carbene 1737
Aryl halide 2214
Aryl sulphonate 451
Asparagine 2220
Aspartic acid 683
Azaannulene 704,2336
Tetraazacyclohexadecatetraene 210
Diazacyclooctanediacetic acid 197
Hexaazacyclotetradecyne 1743
Tetraazacyclotrideca-dienate 2228
Azo compound 2025
Azo dye 2012
Tetrazolobenzthiazole 1813
Azomethinebenzothiophene 1742
Azomethine pigment 3254
BAF 2326
Behenate 2543
Benzaldehyde 1201
Benzene 2848
Benzenedithiolate 252
Benzil 1201
Benzilidene-mercaptoaniline 690
Benzimidazole 3249

NICKEL cont'd.
Benzoic acid 1810
Benzophenone naphthol 675
Benzoxazolethione 2836
Benzoylnitroacetanilide 680
Benzoylthiourea 294
Benzthiazole 1813
Benzylamine 745
Dibenzylethylenediamine 2858
Biuret 705
Boracyclohexadiene 2216
Bromobenzoic hydrazide 703
Butanedione nicotinylacetone 2975
Butanone oximate 203
Butylamine 3199
Butyl benzoate 861,917
Butyl hydroxy benzoate 1473,1970 3203-4
Butylphthalocyanine 947
Caproate 2954
Caprylate 2954
Carbadiboraallyl 2217
Carbene 215,1737
Carborane 2853
Carboxylate 678,750,967
Dicarboxylic acid 2335
Carboxytetramethylpyrroline 2323
Casein 2965
Crotyl 1426
Cyclohexane 2846
Cyclohexanedimine 201
Cyclohexylamine 913
Cyclohexylhydroxylamine 952
Cyclooctadiene 510,1203,1426,2474 2866
Cyclooctatetraene 1740
Cyclopentadienyl 635-36,695,1204, 1737,2853,2950
Cytidine 299
Diene 1826
Octadiene 1753
DIPS 754
Dodecylorthoxylene sulphonate 451
Driers 2533
DTBA 682
EDDA 683
EDTA 755,2227,2344
Epoxy 3238
Ethoxy 1738
Ethoxyethanol 2027
Ethylene 205
Ethylenediamine 201,295,1202
Triethylenediamine 685,692
Ethylenediamine diacetic acid 683 2227
Ethylenediaminemonoacetate 684
Ethylenedinitrile 2861
(Ethylenedinitrilo)dicresol 1747
Ethylenedinitrilotetraacetate 2496
Ethylenedithiolate 252,253
Ethyleneglycol dimethyl ether 749
Ethylenetriamine acetate 300
Ethylhexoate 678,2641-42
Ethylenetetraminehexaacetate 684
Diethylenetriamine 684
Ethyl methyl dithiophosphonate 1272
Diethyl phosphorodithiate 2225
Diethyl sulphide 1745
Fatty acid 967,2027
Flavoquinone 297-98
Fluoroacetylacetonate 1807
Fluoromethylaminobenzhydroxamate 2565
Formazane dye 2527
Fumaronitrile 205
Glutamic acid 683
Glyceryl phenylalanine 2324
Glyceryltyrosine 2324
Glycine 300,683,1267,2050,2220,3030
Glycyl glycinamide 2847
Glycylglycine 1207,2220
Glycylglycylglycinate 2847
Glyoximate 2897
Hemlock bark 1288
HIDA 683
Polyhydrazide 1493
(Hydroxybutylphenyl)imine-quinone 2309
Bis(2-hydroxyethyl)benzamide 3199
Hydroxyiminoketone 2329
Hydroxynaphthalidene-methylamine 2964
Hydroxynitropropiophenone oxime 2963
Hydroxypropyl phosphonate 504
Hydroxyvalerophenone oxime 764
Hypoxanthine 2218
Imidazole 1752,2193,2860
Iminobenzenethiolate 252
Iminodiacetic acid 2227
Polyiminoethylene dithiocarboxylate 2510
Iminothiazolidine iminoisoindoline salt 1526
Inosine 2218
Isonitrosobenzyl methyl ketone 198
Isonitrosopropiophenone 198
Isonitrosopropyl methyl ketone 198
Isopropyl imidazole 2193,2841
Diisopropylsalicylate 754
Ketoimine 2960
Diketonate 2221,2310,3212
Ketone 1201

NICKEL cont'd.
Kojate 1265
Laurate 1483,1513,2852
Lysine 2834
Macrocycle 2228
Macrocyclic amine 209,2357
Macrocyclic complex 210,212
Maleonitriledithiolate 243,252,253
Malonate 1808
Malonic hydrazide 2952
Mercaptopropionic acid dialdehyde 1271
Mercaptopropionyl glycine 1207
Metallocene 1832
Methallyl 693
Methoxyhydroxylamine 674
Methoxynitrosophenol 2856
Methyl 1741
Methyl acrylate 205
Methylallyl norbonyl 249
Methylaniline 744
Methyl chalcone oxime 302
Tetramethyl diaminoethane 2222
Pentamethylene 696
Methyleneamino 3085
Methylenebisphenol 923
Tetramethylenediamine 2225
Pentamethylenetetrazole 2955
Methylene thiopropionate 2967
Methylethylenediamine 2835
Dimethylhydrazine 927
Methyl imidazole 2193
Methylphenylcyclopentadienyl 1115
Methylpiperidinol succinate 448
Tetramethylpiperidinol succinate 2497
Tetramethylpiperidine sebacate 916
Methylpyrazole 681
Methyl thiazole 2953
Dimethyl thiopyrone 2333
Methyl thiourea 2857
Morin 2969
Murexide 2843
Naphthaldehyde-thiosemicarbazone 2961
Naphthenate 750,895,1456,1949,2101 2475
Naphthenic acid 2027
Naphthyl 696,2221
Nickelocene 635,1115,1746,2840
Nitrilotriacetate 683,684
Nitromethyl benzenate 2222
Dinitrosalicylate 2331
Nitrosohydroxybenzocoumarin 2966
Nitrosophenol 2856
Nonyl phenol 2310
Norbornene 693
NTA 684
Octoate 429,1080,1483,2635,2639,2641
Octyl alanine 1474
Octyl phenol 927
Oleate 1513
Olefin sulphonate 1831
Organophosphate 752
Ornithine 2834
Oxalate 701
Oxime 2329
Peanut skin 1288
Peptide 1560,2560
Dipeptide 2349-50
Phenanthroline 688,1807,1809
Phenate 1485
Phenyl 217,1738,1741
Phenylamino carboxylic ester 1815
Diphenylcyclopentadienyl 1115
Phenylene diimine 252,253
Diphenylether 512
Diphenylthiophosphine 696
Diphenyl triazene 1206
Phenyl urea 2325,2839,3313
Phosphine 199-200,206,211,214,217 220,222,223,686,694,696-67,699,700 945,1124,1200-1,1203,1236,1426, 1735,1739,1741,1751,1753,2214,2217 2219,2451,2472,2474,2849,2862-64, 2877,2957,3083,3163
Phosphinobenzoic acid 881
Phosphite 205,221,1280,1448,1735, 1739,1748,1753,2230,2865
Phospholene 1746
Phosphonate 2570
Phthalocyanine 468,470,947,979,2007
Phytyl 1749,2233
Picolinamide 2850
Picoline 2451
Picoyliminotetrahydroquinazoline 1269
Picrate 1821
Piperazinyl alkanoate 446
Piperidine 682,2848
Polymer 459,935,1502,1985,2511
Propene aminate imine 2838
Propylenediaminetetraacetic acid 2227
Purine 2218
Pyrazine carboxamide 2199
Pyrazine oxide 2837
Pyrazole 681
Pyrazolone 1980
Pyrazolyl borate 208

NICKEL cont'd.
Pyridine 682,685,692,1807,2221,2856
Bipyridine 1807,2842
Pyridine butanedionate 2976
Bipyridyl 214,688,2986
Pyridyl-aza-butenylamine 687
Pyridyl ketone 2330
Pyrrolidinyl 201
Quercetin 2969
Quinoline 682
Resinate 1483
Salicylaldehyde 2224
Salicylaldimine 2960
Salicylaldoximate 2896
Salicylate 1483
Salicylidene glycinate 2194
Schiff base 213,216,303,459,688,691 758,1268,1820,1839,2024,2851,3008, 3019
Diselenocarbamate 2321
Selenuronium p-toluenesulphonate 1392
Serine 2220
Silylmethyl 371
Soap 2543,2954
Stearate 62,784,2543
Stibine 222,1124,2475
Streptomycin 486
Polystyrene 2518
Sulphamate 2231
TAF 2326
Tetrahydrocorrin 1736
Tetrahydrothenylamine 745
Thenoyl acetylfurane 2326
Thenylamine 745
THF 510,512
Tetrathiacyclotetradecane 212
Thiadiborolene 2223
Thiazolyl benzimidazole 2977
Dithioacetate 2215
Dithiobenzoate 2261
Dithiobenzoylacetonate 682
Thiobis(p-alkylphenol) 1969,3199
Dithiocarbamate 2844-45,2848,3197
Thiocarbamoylaminoguanidine 2980
Thioethylthioethane 2320
Dithiolate 2219
Dithiolene 207,243,253,1829
Thiomorpholine-diselenocarbamate 2321
Thiophene carboxamide 745
Thiophenol 927
Dithiophosphate 2844-45
Thiopyrazolonate 1744
Thiourea 696,2951
Tolyl 696,1741
Tyrosine 2324
Valeric acid amide 2970
Valine 2050,2220
Vinyl 3238
Vinyl imidazole 2193

NIOBIUM
Alkoxy 1487
Alkylammonium 2126
Dialkyl chalcogenide 1118-19
Arsine 578,2127,2327
Benzyl 1823
Butylthioethane 2128
Cycloheptatriene 579
Cyclooctatetraene 578,2440,2690,2695
Cyclopentadienyl 579,1823
Ethyl porphyrin 577
Isopropoxy 2694
Methoxy 2129
Methoxyethanol 2693
Methyl porphyrin 577
Nitrile 1118-19
Papaverine 2691
Triphenylmethyl 1398
Phenyl porphyrin 577
Diphenylthioethane 2128
Phosphine 1118-19,2439
Porphyrin 577
Sulphosalicylate 2692

OSMIUM
Acetylene 2301,2949
Acyl aryldiazene 2300
Alkene 2947
Alkyne 2949
Allyl 741,1285
Aminopyridine 975,1314
Arsine 292,1285,2867
Aryldiazo 2304,2306
Butyl 741
Butyne 2949
Cyclooctene 741
Cyclopentadienyl 2256
Octaethyl porphinate 2946
Hexadiene 2948
Hexyne 2949
Methallyl 741
Tetramethylethanediolate 2299
Nucleoside 1805
Octyne 2949
Diphenylacetylene 1804
Phenyl hexadienetriyl 1803
Phosphine 291-92,1219-21,1285,2300 2303,2305,2867,2945
Propyl 741

OSMIUM cont'd.
Pyridine 975,1314,1805,2302
Pyridine ester 1805
Pyridine sulphonic acid 975,1314
Quinolyl-pyridine 2297
Selenolanylidene 2945
Stibine 1285
Dithiolanylidene 2945
Vinylphenyl 2947

PALLADIUM
Acetate 256,1229,2905-6
Acetonitrile 2240
Acetophenone imide 719
Acetylacetonate 254,714,717,850,1769 2445
Diacetyldioxime 2256
Allyl 716,720,1958
Allylamine 1234
Aminimide 2249
Aminomethylnaphthalene 1225
Aminopyridine 975
Aminotetramethylpiperidine 2323
Aminothiothiadiazole 2307
Anthracene glyoxaldimethylamine anil 2247
Aromatic isocyanide 2257
Arsine 226,244,248,721,1221,1222, 1223,1770-71,1958,2332,2867,2875, 2898
Triazine trithiol 2968,3222
Azobenzene 251
Azo dye 2252
Azomethine 2252
Dibenzalacetonate 1233
Benzenedithiolate 252
Benzonitrile 1230,2240
Benzoyl salicylal hydrazone 2358
Benzoylthiourea 294
Benzylacetophenone imide 719
Butadiene 2240
Butanedione nicotinylacetone 2975
Butyl dibenzyl 1773
Butyl isocyanide 2260
Carbene 245
Carboxylate 257
Carboxytetramethylpyrroline 2323
Cyanomethanide 1777
Cyclopentadienyl 720,1227,1266
Decaborane 2260
Ethylenamine 2262,2900
Ethylenediamine 255
Ethylenedithiolate 252,253
Ethylmethyl dithiophosphonate 1272
Ethyl porphyrin 1844
Furan 3058
Glyoximate 2897
Heptene 2259
Hexene 2259
Hexyl diantipyrylmethane 1768
Imidazole 1232
Imine 2262
Iminobenzenethiolate 252
Indenyl 258
Isocyanide 1772
Diketonate 250
Maleonitriledithiolate 243,252,253
Mercaptide 2256
Mercaptobenzthiazole 2899
Methylallyl norbonyl 249
Methylamine 2260
Methylamino(ethoxy)carbene 2258
Methylaminoferrocene 1770
Methyl chalcone oxime 302
Tetramethyldiaminoethane 1777
Methylpyrrolidone 1778
Naphthenate 2256
Naphthoquinone 1228
Nitrosohydroxybenzocoumarin 2966
Nonene 2259
Norbornadiene 1215
Octene 2259
Oxime 717
Dioxolane 2904
Pentene 2259
Phenanthroline 255,1777
Phenanthrolinequinone 227
Phenylacetophenone imide 719
Phenyl allyl 258,1231
Phenylcyanide 721
Phenylenediimine 252,253
Polyphenylene terephthalamide 1499
Phenylethyl 258
Diphenyl triazene 1206
Phosphine 220,223,225,227,228,246-48 257,715,718,721-22,795,850,945, 1221,1224,1233-36,1336,1399,1761, 1762,1770-77,1779,1958,2239,2254, 2867-69,2875,2877,2898,2903,2957
Phosphite 1770-71,2524
Phthalocyanine 1775
Polymer 1508,1985,1987,2508,3222
Propylenediamine 255
Propylthiopropane 1223
Pyridine 718,975,1266,1771,1774
Bipyridine 255
Pyridine butanedionate 2976
Pyridinesilane 1232
Pyridine sulphonic acid 975
Dipyridyl 1775,1777

PALLADIUM cont'd.
Pyrrole 3058
Quinones 227
Quinoxaline dithiol 1226
Resorcinol 966
Salicylaldoximate 2896
Schiff base 1820
Diselenocarbamate 2321
Stibine 1771,2875
Sulphilimine 2249
Sulphurdiimine 2902
Thiazole 1232
Dithiobenzoate 2261
Thioethylthioethane 2320
Thiolate 2901
Dithiolene 243,253
Thiomorpholine-diselenocarbamate 2321
Thiophene 3058
Tolyl phosphite 1227
Vinyl 716
Vinylcyclohexene 1230
Polyvinyl pyridine 2508

PLATINUM
Acetonitrile 1401,2240,2892
Acetoxime 238
Acetylacetonate 714,717,1533,2235 2895
Acetylene 2238
Acetylenic-phosphine 2889
Acyl 709
Adenosine 2890
Alanyl methionine 2879
Alkenyl 231
Alkyl isocyanide 2242
Dialkyl phosphoric acid 1766
Allyl 716,1764
Amine 3297
Aminoimide 2249
Diaminoethane 2881
Amino mercaptopurine riboside 711
Aminophosphine 2489
Aminopyridine 975,1314
Aminotetramethylpiperidine 2323
Aminothiothiadiazole 2307
Aniline 2874
Anisidine 1218
Anthracene glyoxal dimethylaminoanil 2247
Arsine 226,228,244,1221,1222,1223 2332,2867,2868,2871,2875
Aryl 230
Diarylazo ligand 2251
Aryl isocyanide 1216
Azo dye 2252
Azomethine 2252
Benzene 2241
Benzonitrile 2240
Butadiene 2240
Dibutyl 1764
Butylamine 1218
Tetrabutyl ammonium 1759
Carbadiboroallyl 2217
Dicarbomethoxyacetylene 1763
Carborane 240
Carboxytetramethylpyrroline 2323
Chloroform 2241
Collidine 1764,2874
Cyanoalkyl 1758-60
Cyclohexanone 713
Cyclohexylamine 3297
Cyclooctadiene 230
Cyclopentadienyl 1266,2235,2256
Cyclopropylamine 3297
Dicytidine 2891
Decaborane 2246
DMSO 242
Ethylacetoacetate 708
Ethylene 712,1217,1755,2894
Ethylenediamine 1767,1836,2891
Diethylmalonate 708
Ethylmethyl dithiophosphonate 1272
Ethylthiourea 2248
Glycine 2250
Glyoximate 235
Guanosine 1767,2891
Hydrazone 1755
Hydroxylamino oxime 237
Inosine 2891
Isocyanide 707
Ketone 713
Lutidine 2888
Maleonitriledithiolate 243
Methyl 224,230,233,708,1757,2872
Methylacetatoacetate 708
Methyl adenine 2890
Methylene chloride 2241
Methyl cyclopropene 2235
Methyl cytosine 2887
Tetramethyldisiloxane 2885-86
Methylethene 225
Dimethylformamide 2874
Methyl hydroxylamine 2878
Dimethylmalonate 708
Dimethyl sulphoxide 242
Methylvinyltetrasiloxane 2886
Nitroaniline 1210
Norbornadiene 1215
Olefin 1754,2238

PLATINUM cont'd.
Olefin amine 1218
Oxime 717
Dioxopyrimidine 3293
Phenanthroline 1765
Phenanthroline quinone 227
Phenyl 1765
Phenyl alanine 2884
Diphenyl cyclopropenone 1211
Polyphenylene terephthalamide 1499
Phenyl glyoximate 235
Diphenylphosphinomethyl dioxolane 2253
Phenylpropyne 1208,1213
Phosphine 220,223,225,227-28,231-32, 236,239,706,709-10,715,1209,1211, 1213-14,1218-22,1224,1336,1756, 1758,1760-64,2217,2239,2242,2243, 2244-46,2250,2254,2521,2867-69, 2873,2875,2877,2882-83,2889,2893, 2957
Phosphinic acid 1766
Polymer 936,1987
Polystyrene 936
Propene 1218
Propylthiopropane 1223
Pyrazolyl 1757
Pyridine 712,975,1212,1218,1266,1314 1754,1764,2235,2874,2894
Bipyridine 1765
Pyridine carboxaldoximate 2876
Pyridine sulphonic acid 975,1314
Bipyridyl 2881
Pyridyl-acetylene 2870
Pyrrolidine 3297
Quinoline 1218
Quinones 227
Diselenocarbamate 2321
Siloxane 2885-86,3229
Silyl 2244
Poly(silyl)benzene 2316
Stibine 2875
Stilbene 1218
Styrene 1218
Sulphide 1764
Sulphilimine 2249
Sulphurdiimine 2893
Dithiolene 243
Thiomorpholine-diselenocarbamate 2321
Thiophosphophosphine 2236
Thiopurine riboside 711
Uracil 3283
Urea 2874
Vinyl 716

PLATINUM METAL
Dialkyl phosphoric acid 1766
Phosphine 2239
Phosphinic acid 1766
Polymer 1508

PLUTONIUM
Acetylacetonate 561
Diketonate 561

POLONIUM
Aminopyridine 1314
Pyridine 1314
Pyridine sulphonic acid 1314

POTASSIUM
Acetate 30,689,1281
Acetoacetonate 27
Acetylacetonate 27,28,949
Alanate 1264
Alkinyl 2319
Alkoxy 466,527,933,1032,1514
Alkyl amide 526
Alkyl sulphate 3226
Allantoin 3286
Amine 1450
Aspartic acid 592
Azodicarboxylate 1465
Dibenzenesulphonylcysteine 2983
Benzoate 1612
Polybutadienyl 1495
Butoxy 29,1967,2082,2084,2605,3183
Butylamine 1450
Butylpyridine 1005
Butyrate 3225
Caprionate 955
Carbamate 2487
Carboxylate 1529,1585
Caseinate 999
Catechol diacetate 520
Cephalosporin 1024,2070,3298
Cephalosporinic acid 3300
Citrate 1569
Crown complex 2086
Cryptate 529
Cyclic polyether 2086
Cyclooctatetraene 2440,2695
Cyclopentadienyl 1111,2125
Decanoate 955
Ethyl 977
Polyethylene 2515
Polyethylene glycol 1
Polyethylene oxide 2509
Diethylethylenediamine 1450
Ethylhexoate 938

POTASSIUM cont'd.
Fluoroenyl 2509
Hexafluoroacetylacetonate 2610
Fluoromethylaminobenzhydroxamate 2565
Gluconate 2,1605
Glycine 592
Glycol isophthalate sulphonate 903
Guanosine cyclic phosphate 3303
Histidine 592
Hydrocarbon 1953
Hydroquinone 2958
Hydroxyethyl ester 20
Hydroxyiminoacetoamide 2063
Hydroxypropyl phosphonate 504
Polyisobutylphenol 1509
Isobutyrate 466,1049
Ketyl dimer 1584
Lutidine 2888
Macrocycle 529
Macrocyclic polyether 2575
Mercaptobenzalnitroaniline 2602
Methoxy 1032,1563,2081
Methylethene 225
Methylpiperidinol succinate 448
Trimethylsilylmethyl 2088
Methylstyrene 1948,2467-68,2490-91
Naphthalene 1111,2482
Dinitroalkane 2604
Nitroso alkyl hydroxylamine 541
Norbornene dicarboxylate 2083
Octoate 1529,3225
Oleate 2525
Olefin sulphonate 1043,1831
Hexaoxacyclooctadecin 2324
Dioxooctane dicarboxylic diamide 2087
Oxathiazin-4-on-2,2-dioxide 1563
Pelargonate 955
Phenoxyisobutyrate 3282
Phenyl acetylene 2576
Polydiphenylethyl 1953
Diphenyl phosphide 1985
(Diphenylphosphino)isopropoxy 1985
Phosphine 726
Phosphonate 2570
Polymer 466,933,1509
Polypropylene maleic acid adduct 1484
Propyl heptoate 1562
Pyrazolyl borate 208
Pyrocatechol 2958
Pyrrolidone 2487
Pyrrolidone-carboxylic acid 3286
Sebacate 1279
Soap 23
Sorbate 1535,1564,2555,3284
Stearate 2525
Succinamide 3261
Succinimide 471
Sulphinate 521
Tartrate 10
Terephthalate 1612
Tetrahydrofuran tetracarboxylate 1048
Thioallophanate 2062
Dithiocarbamate 1001,3234
Thiocarbonate 946
Thiomalate 10
Tolyl 977

PRAESODYMIUM
Diacetyl 2107
Alizarin red 2646
Amide 2108
Aminocarboxylate 545
Diaminocyclohexane tetraacetic acid 549
Diaminocyclohexenetetraacetate 545
Benzil monoxime 2107
Benzoin 2107
Benzoyl acetonate 548
Camphor 557
Cyclopentadienyl 1087
EDTA 2644
Ethylenediamine 1645
Trihydroxybenzoic acid 2650
Hydroxyquinoline sulphonate 545,549
Tetramethylethylenediamine 1645
Methyl malonate 1646
Methyl pyridine 550
Dimethyl sulphoxide 2648
Diphenylphosphine amide 2108
Diphenyl sulphoxide 2648
Phosphine 2108
Dipivaloylmenthanate 2106
Pyrazine 2106
Pyridine 550,2107
Salicylate 545
Salicylic acid 549,2107
Sulphosalicylate 545,549
Tetracycline 3277
Thenoyltrifluoroacetone 550
Dithioacetate 2645
Vaniline 2107

RHENIUM
Acetonitrile 1683,2165
Alkoxy 1283
Alkyl 129

RHENIUM cont'd.
Allyl 1285
Amide 129
Diaminopropane 3015
Arsine 125,292,1285,2327
Dibenzoylmethanate 132
Benzyl 1823
Dicyanobenzene 1153
Cyclopentadienyl 1700,1823,2746-47
Ethanol 2165
Hexafluoropentane dionate 132
Trifluorophenylbutane-1,3-dionate 132
Diketonate 132
Methoxy 129
Methyl 126,2399,2744
Methyl butanone oximate 3015
Methyl hydrazide 112
Trimethylsilyl 2399,2745
Methylthio 2743
Pentanedionate 132
Phenylamide 130
Phenylbutane dionate 132
Phenylcarbyne 2714
Phenyl thiosemicarbazide 127
Phosphine 112,125,131-32,292,1154 1285,1683,1684,2746-47
Pyridine 132,1683
Bipyridyl 292
Stearate 907
Stibine 1285
Thiodiazolone 128

RHODIUM
Acetate 273,1783,2264,2273
Acetylacetonate 264,724,726,730,1781 1785,1789,1818,2235,2926
Acetylene 1246
Adenosine phosphate 2273
Alkoxy 269
Allyl 1285,2268
Diamine 2917
Aminopyridine 975,1314,1784
Aminothiol 753
Aminothiothiadiazole 2307
Arsenite 261
Arsine 1221,1251,1253,1285,1762 2270-71,2867,2875,2925
Aryl 230
Azenide 271
Dibenzosemibullvalene 1790
Benzthiazole 725
Bismuthine 1762
Carboxylate 2273
COD 264
Cyanoethylene 2272
Cyclam 2917
Bicycloheptadiene 268
Cyclohexyl 733
Cyclooctadiene 230,1241,1784,2275 2908,2912
Cyclooctene 726
Cyclopentadienyl 262,671,1246,2235 2267-68,2275
Diene 262
Ethylenediamine 2909,2912
Triethylenediamine 2974
Ethylmethyl dithiophosphonate 1272
Hexafluoroacetylacetonate 1781
Fumaronitrile 2272,2914
Isoindoline 2918
Isoquinoline 2912
Maleic anhydride 2272
Maleonitrile 2272
MBTD 725
Methoxy 268
Methoxyacetate 2273
Methyl 230,2263
Poly(methylalkyl alcohol) 1500
Methylbenzthiazole 725
Methylene cyclopropene 2235
Morpholinocarbodithioate 2132
Norbornadiene 1215,1761,1784
Nucleic acid 2318
Nucleoside 2318
Octoate 2528
Olefin 1237
Pentanedionate 262
Phenanthroline 2910
Phenyl 733
Tetraphenylcyclobutadiene 1781
Polyphenylene terephthalamide 1499
Triphenyl methoxyphenyl isocyanide 2914
Phosphine 223,227,259-61,263-67 270-72,274-76,723-24,727-29,731-32 795,1219-21,1236,1237,1239-40, 1241-42,1244-45,1247-50,1251-53, 1285,1747,1761-62,1780-82,1788, 1818,2264,2266,2269-71,2274,2298, 2861,2867-68,2875,2893,2907,2913, 2915-16,2920-28,3036-37
Phosphite 261,2298
Polymer 1982,1985,1987,2508
Porphyrin 2911
Propionate 2273
Propylenediamine 2912
Pyrazine 1243
Pyridine 975,1314,1784,2235,2912
Pyridine sulphonic acid 975,1314

RHODIUM cont'd.
Pyridyl 2910
Pyrimidine 1243
Quinoline 2912
Silylphosphine 727,1249-50
Stearate 907
Stibine 1285,1762,2270-71,2875,2925
Stibite 261
Styrene-divinylbenzene copolymer 1982
Sulphurdimine 2893
Thiazole 725
Dithioacid 2919
Thiosemicarbazide 1238
Dithiocarbamate 2265,2272
Thiolate 2298
Tolyl 733

RUBIDIUM
Alkoxy 466
Amine 565
Cryptate 529
Glycol isophthalate sulphonate 903
Tetraglyme biphenyl 2606
Hydrocarbon 1953
Isobutyrate 466
Ketyl dimer 1584
Macrocycle 529
Macrocyclic polyether 2575
Hexaoxa-cyclooctadecin 2324
Dioxaoctane dicarboxylic diamide 2087
Polymer 466

RUTHENIUM
Acetate 273
Acetonitrile 1796
Acetyl 1814
Acetylide 2288
Alkyl carbonate 2940
Allyl 741,1285
Aminonitrosopyrimidinediol 2296
Aminothiothiadiazole 2307
Arene 1255
Arsine 1221,1285,1762,2292,2867
Aryldiazo 2304,2306
Benzene 1255,1258
Bismuthine 1762
Butyl 741
Cycloheptadiene 290
Cycloheptatriene 738
Cycloheptatrienone 2287
Cycloheptatrienyl 1259
Cyclohexadiene 2287
Cyclohexenyl 286
Cyclohexyl 1254
Cyclooctadiene 738,1258,2287
Bicyclooctatetraenyl 2935
Cyclooctene 741
Cycloolefin 290
Cyclopentadienyl 286,1259,1795,1814
Diene 1826
Ethylenediamine 284,1798
Formimidoyl 2286
Fulvene 286
Isonitrile 282
Mesitylene 1255
Methallyl 741
Methyl 1802,2289
Dimethyl sulphoxide 2285
Morpholyl dithiocarbamate 2291
Nitrile 1802
Nitrosoarene 739
Norbornadiene 2942
Octatriene 2934
Octatetraene methylsilyl 289
Phenanthroline 736,1801
Phenanthrolinequinone 227
Phenylfulvene 286
Phenyl phosphinostyrene 458
Phosphine 223,227,281,283,287,291
1219-21,1254,1257,1260-61,1285,
1761-62,1782,1786-88,1795-97,1799,
1814,2239,2286,2288,2292,2867-68,
2933,2936-38,2940-41,2944,2945
Polymer 458,2508
Propyl 741
Pyrazine 740
Pyrazolylborate 2943
Pyridine 285,1254
Bipyridine 1798,1800,2939
Bipyridyl 288
Quinolyl-pyridine 2297
Quinones 227
Selenolanylidene 2945
Poly(silyl)benzene 2316
Stearate 907
Stibine 1285,1762
Dithioacid 2919
Dithiocarbamate 2290,2291,2293,2294
Thiodiketonate 1256
Dithiolanylidene 2945
Thiophosphophosphine 2236
Toluene 1255
Tolyl 1254
Violurate 737
Polyvinyl pyridine 2508
Xylene 1255

SAMARIUM
Diacetyl 2107
Acetylacetonate 561
Amide 2108
Benzil monoxime 2107

SAMARIUM cont'd.
Benzoin 2107
Benzoylacetonate 548
Cyclopentadienyl 1087
Diketonate 561
Methylmalonate 1646
Naphthyridine 2649
Dimethyl sulphoxide 2648
Methyl thymol blue 1088,2647
Diphenylphosphine amide 2108
Diphenyl sulphoxide 2648
Phosphine 2108
Dipivaloyl methanate 2106,2649
Pyrazine 2106
Pyridine 2107
Pyridine dicarboxylate 1644
Bipyridyl 2649
Salicyl 2107
Dithioacetate 2645
Thiocarbamide 2653
Vaniline 2107

SCANDIUM
Alkyl phosphate 1085
Butyrolactam 69
Caprylolactam 69
Cyclopentadienyl 1084,1087
Trifluoroacetyl camphor 2652
Hydroxyquinoline 1083

SELENIUM
Acyliminoselenazoline 2419
Polyamine 2037
Aminoacid 1906
Aminobenzoselenazole 1907
Aminoselenazole 2419
Aryl 1905
Benzoselenophene 1393
Benzyl 974
Dicarboxylic acid 2335
Chlorovinyl 1905
Corisol acetate 2051
Methoxy 1905
Dimethylbenzoselenazole 1907
Phenyl 1394,1905,1909-11
Phosphoroanilidate 3137
Propyl 974
Selenofulvalene 3139
Selenatristannacyclohexane 1391
Selenazole 1907
Diselenocarbamate 2321,3013
Selenocholesterol 1565
Selenocyanate 1909-11
Selenoester 3138
Selenoimidate 2418
Selenolacetate acetamidophenyl 1907
Diselenolanylidene 2945
Selenophen 2421
Selenotetracene 2420
Selenourea 1911
Selenoureate 1390
Selenuronium p-toluenesulphonate 1392
Steroid 1565,2051
Sulpholane 974
Sulphonate 2037
Thiomorpholine selenocarbamate 2321
Vinyl 1905

SILVER
Acetate 783
Alkanolamine 506,3302
Alkyl benzene sulphonate 2906
Allantoinate 2057,2559
Allylpyrazole 742
Amine 334
Aminophenylthiosulphuric acid 3042
Aminopyridine 975,1314
Tetraazaindene 3042
Triazenide 3036-38
Triazine trithiol 2968,3222
Tetrazolobenzthiazole 1813
Behenate 332,784,1306-11,1857,3040 3043
Benzotriazole 3042-43
Benzthiazole 1813
Benzylamine 745
Carboxylate 332,3035
Dicarboxylic acid 2335
Casein 2965
Cation exchange resin 1503
Cycloheptaamylose 506,3302
Cyclohexanethiolate 1854
Dextrin 3302
Dodecyl mercaptide 2528
Ethanedithiolate 3010
Ethanolamine 3302
Ethylenediamine 334
Fatty acid 3041-42
Flavoquinone 298
Formazane dye 3034
Hemlock bark 1288
Heparin 2559
Heterocyclic thione 333
Hydroxymethyl-thiazoline 2370
Polyiminoethylene dithiocarboxylate 2510
Isocyanoborane-trimethylamine 3039
Lactate 3045
Laurate 784,1855,3041-44

SILVER cont'd.
Dimethylaminophenyl 1853
Hexamethylenetetraamine 1856
Pentamethylenetetrazole 2955
Methyl sulphonate 1277
Morpholine 2371
Naphthenate 2256
Hexaoxa-cyclooctadecin 2324
Palmitate 1076
Paludrine 487
Peanut skin 1288
Phenanthroline 1809
Phenyl 2256
Phosphine 331,2219,2274,3036-38
Polymer 936,3222
Pyridine 975,1314
Pyridine sulphonic acid 975,1314
Resin 2512,2516
Stearate 332,1311
Styphnate 2405
Polystyrene 936
Succinamide 3261
Succinimide 471
Sulphonate 2982
Tetrahydrothenylamine 745
Thenylamine 745
Thiazolin thione 333
Thiocarbamoylaminoguanidine 2980
Dithiolate 2219
Thiophene carboxamide 745
Tosylate 783

SODIUM
Acetate 689,1074,1281,1599,2603
Acetoacetic ester 963
Acetoacetonate 27
Acetophenone 2700
Acrylate 1074,1528,3235,3290
Acrylic acid oligomer 2030
Adipate 16
Alanate 1264
Alginate 1494
Alkane carboxylate 1600
Alkinyl 2319
Alkoxy 466,909,933,1032,1040,1514
1603,1608,1738,2577
Alkyl amide 526
Alkyl phosphonate 505
Alkyl sulphate 3226
Alkyl sulphonate 1607,2078
Allantoin 3286
Allyl 1035,2471
Amine 1450
Amine sulphosuccinate 1602
Amino acid salt 447
Amyloxy 1038,1205
Anthraquinone sulphonate 2591-92
Arylate 2578
Benzoate 21,1011,1535,2595
Dibenzo-crown-ether 2077
Betaine 1574
Bromosalicylanilide sulphonate 2064
Polybutadienyl 1495
Butoxy 427,3183
Butyl 1586
Butylamine 1450
Butylpyridine 1005
Butyrate 3225
Caprolactam 1462
Carbamate 2487
Carbamoyl hydroxy cyanobutyrate 22
Carboxylate 1585,3032,3288
Carboxymethyl cellulose 1044
Cephalosporin 1024
Cephalosporinic acid 3300
Cephem-carboxylate 1572
Pentachloro styrene sulphonate 1993
Chlorothiophenol 3196
Citrate 525,1014,1556,1569,2598-99
Crown complex 2086
Cryptate 529
Cyclamate 3288
Cyclic polyether 2086
Cyclododecatriene 1750
Cyclopentadienyl 1100,2593
Cyclopentanetetracarboxylate 1008
Decyl sulphate 522
Dehydrocholate 2561
Desoxycholate 2561
Dodecyl sulphate 1598
Epoxy resin 963
Erythrodiol 3281
Monoethanolamide 1043
Ether carboxylate 1609
Ethoxy 969,1039,1608,1738,2080,2081
2472,2483,2552
Ethoxylated alkane sulphonate 24
Ethyl 977
Ethylene 1750
Ethylenediamine 18
Ethylenediamine tetraacetate 2034
Diethylenetriamine pentaacetate 2032
Polyethylene glycol 1
Polyethylene oxide 2509
Ethylene sulphonate 460
Diethylethylenediamine 1450
Ethylhexoate 938,1557
Ethylhexyl phosphate 3217
Ethyl imidazolyl 2060
Fluorenyl 2509

SODIUM cont'd.
Hexafluoroacetylacetonate 2610
Fluoromethylaminobenzhydroxamate 2565
Polygalacturonate 1494
Glucoheptonate 18
Gluconate 2,18,1605,3209
Glycol isophthalate sulphonate 903
Glycollate 1008,1981
Guanosine cyclic phosphate 3303
Hexacosane 376
Humate 523
Hydrocarbon 1953
Hydroquinone 2958
Hydroxyethyl ester 20
Hydroxyiminoacetoamide 2063
Hydroxypropyl phosphonate 504
Iminodiacetic acid 2959
Isobutyrate 466,1049
Polyisoprenediol 1953
Ketyl dimer 1584
Lactate 1074,3235
Lauroylalanine 2049
Lauryl sarcosinate 3288
Lauryl sulphate 57
Macrocycle 529
Macrocyclic polyether 2575
Maleate 25
Mannoheptonate 2313
Mercaptobenzalnitroaniline 2602
Mercaptobenzothiazole 3234
Mercaptomethyltetrachlorothiobenzoate 19
Mercaptopyridineoxide 2067
Methacrylate 1074
Methacrylic acid 3235
Methoxy 524,1032,1334,1603,1608 2075-76,2081,2594,2600-1
Methoxyethoxy 543,1036-37,1042,1462 1610
Methyl acetoacetic ester enamine 2054
Dimethylbutoxy 1035
Methyl carbonate 1585
Methylene dianiline 1516
Tetramethylethylenediamine 2593
Dimethyl phosphinyl methane sulphonate 2499
Methyl phosphonate 2596
Methylpiperidinol succinate 448
Methylstyrene 2467-68,2490-91
Monomethyl terephthalate 2314
Naphthalene 17,432,1950,1967
Naphthalenide 1041
Naphtholate 2578
Neopentyl 1035
Nitrilotriacetate 562,1101
Nitrophenolate 2077
Nitrosophenolate 2079
NTA 562,1101
Octane phosphonate 2597
Octoate 3225
Octyl 2067
Oleate 985,1579,2525
Olefin sulphonate 1043,1831
Overbased phenate 2541
Hexaoxacyclooctadecin 2324
Dioxaoctane dicarboxylic diamine 2087
Penicillanic acid 2552
Penicillin salt 1557
Pentyl 2088
Phenate 2578,3301
Phenol 1606
Phenoxy 26,1604,1608
Phenoxyisobutyrate 3282
Phenyl 384,1738,1750
Phenyl acetylene 2576
Diphenyl propene 1582
Phosphonate 2570
Phthalate 1611
Phthalocyanine 950,953
Polymer 460,466,903,1509
Propionate 1074,3235
Propyl acetate 1010
Polypropylene maleic acid adduct 1484
Propyl heptoate 1562
Pyrocatechol 2958
Pyrrolidone 2487
Pyrrolidone-carboxylic acid 3286
Resin 2519
Rutin 3299
Salicylate 3301
Soap 23,1539
Stearate 1579,2525
Sulphamate 2065
Polysulphide sulphonate 3263
Sulphoglycopeptide 1558
Sulphonate 1601
Sulphosuccinate 1602
Tartrate 10,2034
Tetrahydrofuran tetracarboxylate 1048
Thioallophanate 2062
Dithiocarbamate 1018
Thiocarbonate 946
Thiomalate 10
Thiophenoxy 1604
Tolyl 977
Tosyl hydrazone 2700
Trytophane 3295
Vinyl sulphonate 1047

STRONTIUM
Acetylacetonate 1453,3189
Alkoxy 573
Carboxylate 921
Carboxymethyl aspartic acid 2611
Cryptate 529
Ethylhexoate 3206
Hexafluoroacetylacetonate 2610
Glycol isophthalate sulphonate 903
Isopropoxy 2694
Lactate 921
Macrocycle 529,2575
Malate 921
Nonylphenate 3206
Organophosphate 405
Dioxaoctane dicarboxylic diamine 2087
Phenanthroline 1064
Phosphonate 1275
Propoxy 573
Dipyridyl 1064
Soap 1070,3241
Xanthenyl 1464

TANTALUM
Alkoxy 1487
Dialkyl chalcogenide 1118-19
Arsine 2127
Azomethine 580
Butylthioethane 2128
Dicyclohexyl acetamidinate 2130
Dicyclohexyl ureate 2130
Cyclooctatetraene 2440,2690,2695
Isopropoxy 580,2694
Methoxy 2129
Methoxyethanol 2693
Methyl 2696
Nitrile 1118-19
Triphenylmethyl 1398
Diphenylthioethane 2128
Phosphine 1118-19,2439
Dithiocarbamate 1657

TECHNETIUM
Albumen 2564
Aminoethane-diphosphonate 3291
Bleomycin 2046
EDTA 1013
Diethylenetriamine-pentaacetic acid 2046
Human serum albumen 2046
Mercaptoisobutyric acid 1566
Dimercaptosuccinic acid 2046
Methylene diphosphonate 2558
Streptokinase 3292
Urokinase 3292

TELLURIUM
Acetate 2423
Polyamine 2037
Aryl 1395,1396,2423,2424
Benzoate 2423
Benzotellurophene 1393,2425
Butyrate 2423
Dicarboxylic acid 2335
Ethylene thiourea 1908,1910-11
Trifluoroacetate 2423
Methoxyphenyl 1395
Phenyl 1394,1909-11
Selenocyanate 1909-11
Selenourea 1909-11
Sulphonate 2037
Tellurophen 2421
Tolyl 1395
Ylide 2424

TERBIUM
Acetate 2110
Acetylacetonate 2110
Alanine 555
Amide 2108
Aspartic acid 555
Benzoylacetonate 548
Dibenzoylmethide 2110
Benzylquinolinium 547
Carboxylate 555
Cyclopentadienyl 1087
Glutamic acid 555
Hydroxyquinolate 2110
Lactic acid 555
Malic acid 555
Methide 2110
Tetramethylheptanedionate 2110
Naphthyridine 2649
Diphenyl phosphine amide 2108
Phosphine 2108
Dipivaloyl methanate 2649
Dipivaloyl menthanate 2106
Pyrazine 2106
Pyridine dicarboxylate 1644
Bipyridyl 2649
Serine 555

THALLIUM
Acetate 359,689,1806,1828,1876,2385 3077
Acetylacetonate 1781
Acetylene 3078
Alkyl 1327
Aryl 1337

THALLIUM cont'd.
Caprate 3081
Chlorophenyl 1336
Dioxan 802
Erythrocyte 1003
Ethanedithiolate 799,801
Ethyl 1327,3081
Polyethylene glycol 1
Diethyl ether 802
Hexafluoroacetylacetonate 1781
Fluorophenyl 802
Fumarate 3079
Hydroxamate 1327
Maleate 3079
Malonate 3079
Dimercaptodiethyl ether 358
Methyl 1327,1822,3079
Olefin 1874
Hexaoxacyclooctadecin 2324
Phenyl 360,800,1337,1339,3080
Tetraphenylcyclobutadiene 1781
Triphenylmethyl 1398
Phosphine 1336
Phosphonium betain 1328
Pyridine 1336
Semidione 1339
Semiquinone 1339
Succinate 3079
Sulphonate 2982
Dithiaphosphacyanurate 1875
Dithiocarbamate 361
Tolyl 800,1337

THORIUM
Acetate 2115
Alanine 2655
Alkenyl 2656
Dialkoxythiophosphate 2308
Alkyl 2656
Allyl 2656
Butenyl 2656
Cyclopentadienyl 2656
Erythrocyte 1567
Diethylenetriamine pentaacetic acid 1091,2655,2659
Trifluorothenoylacetonate 2658
Glycine 2655
Hydroxynaphthoic acid 2659
Lactic acid 2659
Mandelic acid 2659
Phenylalanine 2655
Phosphine oxide 2658
Phthalocyanine 1521
Tropolonate 2657

THULIUM
Amide 2108
Benzylquinolinium 547
Cyclopentadienyl 1087
Methyl thymol blue 1088,2647
Naphthyridine 2649
Diphenyl phosphine amide 2108
Phosphine 2108
Dipivaloyl methanate 2106,2649
Pyrazine 2106
Bipyridyl 2649

TIN
Acetate 1899,2500
Acetoacetic ester 963
Acetoxy-cresyl alkyl ether 500
Acetyl 1355
Acetylacetonate 1276
Acetylacetonate 1358
Acetylene 534,811,1351,1894
Aconitate 2562
Acrylate 467,2534
Acylonitrile 3193
Acyloxy 1895
Alkanoate 1963
Alkaryl 1963
Alkenyl succinate 2041
Alkoxy 59,424,806,1963,2009, 3104
Alkyl 806,811,813,814,816,823,1355 1371,1373,1482,1894,1963,2041,2501, 2567,3104,3108,3117,3205
Allyl 369,1887
Amide 3099
Amidine 1513
Amine 808,1363,1365
Aminoacetylene 3903,3096
Aminoacid salt 447
Aminoalcohol 964
Aminoalkyl 1365
Aminomethyl 817
Amyl 467
Aralkyl 1963
Arene sulphenyl halide 366
Arsine 808,2327,2868,2871,2898
Aryl 230,813,816,1878,1890,1963
Arylthioalkane 984,1343
Diazoacetone 3082
Triazole 1016
Triazolyl 3308-9
Azolyl ether 1017,1278
Azoxy compound 370
Benzaldioxime 964
Benzaldoxime 3230

TIN cont'd.
Benzene 1368,1890,1896
Benzoate 1899
Benzoylacrylate 449
Benzyl 1015
Butoxy 2522
Butyl 365,369,373,440,442,449,467 501,534,812,817,820-22,854,885,896 916,918,943,959,964,965,970,972, 982,1023,1366,1367,1375,1376,1377, 1430,1442,1453,1455,1470,1475,1478 1482,1513,1888-89,1891,1892-93, 2400,2403,2500,2520,2522,2567,3096 3099,3100,3103,3105,3109,3120,3208 3216,3227-28,3230,3234,3266,3314
Butyl maleate 3216
Butylperoxy 1893
Dibutylphosphon-butadiene 805-6
Dibutyl phosphine 2396
Butyl salicylate 2019
Butyraldoxime 3230
Carbamate 3111
Carbodiimide 818,1346-47
Carboxylate 503,941,1992,2009
Cephalosporin 3298
Chloroethyl octoate 1972
Monochlorophenyl ester 3306
Chloropropyl 2013
Citrate 2562
Crotyl 1887
Cyanamide 818
Cyclohexanone oximate 2398
Cyclohexenyl 1887
Cyclohexyl 823,825,1015-16,1887,2569 3102,3119,3305
Cyclohexylalkyl 503
Cyclohexylpropyl 503
Cyclooctadiene 230
Cyclooctenyl 1887
Cyclopentadienyl 613,616,1356,1362 2392,2393,2394,3113-14,3115
Cyclopentadienyl halide 1358
Cyclopentamethylene 1015
Cyclopentene 1889
Cyclopentenyl 1887
Dodecyl aldehyde 1470-71
Dodecyl mercaptide 1977
Trienonate 3088
Epoxy resin 963
Ethoxy 1361
Ethyl 463,534,817,820,901,1346-47 1351,1353,1360,1887,1891,1894,3093 3096,3103,3108
Ethylbutyraldehyde 443
Ethylcarbamyl chloride 372
Ethylene monothiocarbonate 2317
Ethynyl 3108
Glycerol monostearate 443
Glycollic acid 3116
Glycoloxy 1372,1506
Glycyl glycine 2400
Hexacosane 376
Hydroxybenzyl phosphonate 2495
Hydroxy naphthaldehyde 2680
Imidazolyl 3308-9
Imine 1363
Isobutylene oligomer 2545
Isobutyrate 1899
Isooctyl chloroacetate 1477,1898
Isooctylglycollate 1375,2492
Isooctyl mercaptoacetate 1973,1977 3213
Isooctyl-mercaptopropionate 1476
Isooctyl thioalkanoate 1370,2498
Isooctylthioglycollate 918,1476,1477 1892,1898,1972
Isopropyl 467
Ketoalkyl 1897
Ketoenolate 2391
Ketoglutarate 2562
Diketonate 3212
Laurate 821,854,965,1483,1513,1989, 1995,1996,2520,3228
Lauryloxy 3227
Lauryl thioglycolate 1470-71
Maleate 971,1482
Mercaptoacid 3205
Mercapto ester 1892
Mercaptoethyl caprylate 1974
Mercaptopropionic acid 1470-71,1892 2567,3116
Mercaptopyridine oxide 1373,2067
Mercaptothiopropionate 443
Methacrylate 457,467,2010
Methallyl 1887
Methoxy 1361,1963,3227
Methoxyphenyl 1293
Methyl 230,365-66,368,370,373-74,817 820,824,826,1015,1145,1340,1351-52, 1354-55,1357,1360-61,1364-65,1369, 1370,1374,1476-77,1802,1822,1886, 1887-88,1890-91,1894,1897-98,1971, 1972,1974,2010,2263,2289,2386,2392, 2393,2395-96,2398,2401-3,2478,2498, 3084,3093,3096,3098,3101-3,3110-12, 3117,3227
Methyl acrylate 2492,3198
Methylalkoxy 1895
Dimethylamide 367
Methylaminophenyl 1293

TIN cont'd.
Dimethyl benzamide 372
Dimethyl butyl 2066
Methylene 534
Methyleneamino 3085
Tetramethylethylenediamine 2397
Methylethylketoxime 2500
Methyl isocyanide 3084
Methyl methacrylate 436,3192,3193
Methylpiperidinol succinate 448
Tetramethylpiperidinol succinate 2497
Tetramethylpiperidine sebacate 916
Trimethylsilylmethyl 3097
Methyl sulpholene 2068
Neodecanoate 1992
Neopentyl 2066
Neophyl 1364,3118
Nitrile 1802
Nitro aromatics 370
Dinonylthioglycollate 1478
Norborane 1886
Norbornene 1886
Norbornyl 822
Nortricyclene 1886
Octoate 357,464,941,1377,1483,1511 1514,1989
Octyl 442,971,1373,1375,1482,1971 2067,2400,2488,3116,3120,3205,3208 3213
Octylphenyloxy 3227
Octylthioglycollate 1475
Oleate 1513
Dioxabornane 1475
Oxinate 3096
Oxopentyl 1885
Pentanedionate 2391
Phenanthroline 1891,2397
Phenoxy 1023,2390
Phenyl 366,368,373,467,583,812 817-20,1145,1293,1351-52,1360-61 1368,1394,1408,1676,1872,1877-78, 1885,1887,1891,2397,2534,3081,3100 3109-10,3112
Diphenyl ketimine 2389
Triphenylmethyl 1398
Diphenyl phosphinomethyl dioxolane 2253
Diphenylphosphon-butadiene 805-6
Diphenylpropanedionate 2391
Phosphine 248,613,808,810,1122,1365 2402,3083
Phospholane 1359
Phosphonium salt 3098
Phosphorinane 1359
Phthalocyanine 1998
Piperazinyl alkanoate 446
Polymer 457,467,1506,2009
Polyol 2501
Propyl 1015,1352,1360,1891
Polypropylene maleic acid adduct 1484
Pyridine 1360,1891
Bipyridine 2397
Pyridinethiol 1378
Poly(pyridylethylene) 2506
Pyridylthio 926
Quinolium chloride 2395
Resinate 1483
Resorcinol 966
Salicylate 1483
Schiff base 809,815,1363
Selenatristannacyclohexane 1391
Silyl 813,816,3112
Silylacyloxy 3104
Silylmethyl 371
Silyl phosphine 1365
Styrene 436,3192
Sulphonate 2982
Dithiacyclopentane 1350
Thiazolidenedione 2317
Thiazolidenethione 2317
Thioalkoxyl 806
Thiocarbamate 2390
Dithiocarbamate 807,3100
Thioglycollate 1971,2567
Thioglycollic acid 2061,2488
Thiol 803,2386
Dithiolate 440
Thioorganic compound 951
Thiophenol 803
Dithiophosphate 1352
Tolyl 1878
Tosyl hydrazine 2401
Tryptycene 3112
Trityl 1364
Tropolonate 3088
Vinyl 812,1353,3107-8,3109

TITANIUM
Acetate 1102-3
Acetoacetic ester 942
Acetonitrile 1098
Acetylacetonate 78,82,400,932,939 949,960,967-68,1109-10,2979
Acetyl chloride 1102-3
Acrylic 3238
Acylate 82
Alcoholate 476
Alkoxy 59,569,1108,1287,1402,1452 1502,1519,2018,2427,2436,2448-49, 2453,2459,2466,2671,2672

TITANIUM cont'd.
Dialkoxythiophosphate 2308
Alkyl 83
Dialkyl chalcogenide 1118-9
Alkyl thiophosphate 452
Allyl 396,1285
Amine 83,565,3238
Aminobenzene sulphonate 2018
Arsine 1285,2327
Aryl 1096
Benzyl 396,1095,1653,2435
Butoxy 82,401,424,848-49,989,1108 1402-3,1519,2504,2671,3140,3159, 3175-76,3182,3248
Butyl 929,1988
Butyl nitrile 1098
Carborane 79
Chloropropoxy 431
Chloropropyl 2013
Chromotropic acid 1104
Cinnamoyl phenylhydroxylamine 563
Crown polyether 2978
Cumylphenyl 2018
Cycloheptatriene 567,1097,1107
Dicyclooctatetraene 1649
Cyclooctatetraenyl 79
Cyclooctatriene 75-80
Cyclopentadienyl 75-80,396,401,418 567,570,576,873,883,1095,1096-97, 1099-1100,1106-7,1111,1650-1652-53 2673,2678,3144,3172
Cyclotetraene 567
Diene 1826
Dodecylbenzene sulphonate 2018
EDTA 2664
Epoxy 3238
Diethanolamine 1654
Ethoxy 876,976
Ethylacetoacetate 400,3248
Ethylaminoethyl 2018
Ethyl benzoate 3168
Ethylenedinitrilotetraacetate 2496
Ethylene monothiocarbonate 2317
Diethylenetriamine pentaacetic acid 2664
Ethyl porphyrin 2665
Hydroxy naphthaldehyde 2680
Isopropoxy 1406,1447,1452,2018,2427 2436,2448-49,2453,2459,2466,2672, 3151,3219,3247
Isopropyl 939,2018
Isostearate 2018,3247
Diketonate 78,3212
Lactic acid 3248
Mercaptan 418,570,576
Methyl 77
Dimethylamide 2666
Methyl cyclopentadienyl 1651
Dimethyl metallocene 2670
Methylphenyl 1653
Methylsiloxy 80
Naphthalene 1111
Neopentyl 864
Nitrile 1118-19
Nitrilotriacetate 562,1101
Nitrilotriacetic acid 562,556,1101
Dioctyl phosphate 2018
Oxalate 564
Dioxan 2667
Pentanedionate 3212
Phenyl 1096,1653
Diphenylether 512
Phenyl mercaptyl 873,883
Phenylsiloxy 80
Phosphine 1118-19,1285,2121,2439
Phosphite 2018
Phthalocyanine 1413
Picrate 1821
Piperazine 81
Polymer 1502,3247
Propoxy 447,475,569,916,931,942,960 1945
Pyrazole 1106
Schiff base 568
Siloxy 1428
Silylmethyl 2666
Stibine 1285
THF 512
Thiazolidenedione 2317
Thiazolidenethione 2317
Thio derivative 3172
Titanocene 639,1111,1652-53
Titanocene dichloride 1105,2668,2670
Tolyl 1096
Vinyl 3238
Xylyl 1096

TRANSITION METAL
Pyridyl arsine 1827
Pyridyl phosphine 1827

TUNGSTEN
Acetonitrile 1098,3161
Acetylacetonate 2979
Alkoxy 1283,1487
Alkyl 2725
Alkynyl thioester 585
Allyl 1285,2152
Amine 582,2131
Amyl 2729

TUNGSTEN cont'd.
Aniline 1149
Antipyrine 603
Arene 89,1146
Arsine 581,1133,1285
Aryl 2725
Benzene 1146
Benzyl 1673,1823
Benzyl thiol 1147
Butanol 118
Butyl 2729
Butylamine 1672
Butyl nitrile 1098
Carbene 2156
Chloroethoxy 1463,1926
Crotyl 1454
Cycloalkene 2153
Bicyclo[6.2.C]deca-2,4,6-triene 2726
Cycloheptadienyl 117
Cycloheptatriene 631
Cyclohexylamine 1672
Cyclopentadienyl 113-15,604,1121
1147-48,1823,2151,2154-55,2384,
2392,2725,2729,3114
Ethanol 118
Ethanthiol 1125
Ethylene 109
Ethylene carbonate 586
Triethyl silanol 118
Isopropyl 2725
Linalol 118
Mesitylene 1120
Methyl 1121,1145,1673,2155-56,2384
2392,2696
Methylaminobenzoate 1120
Methylbenzoate 1120
Dimethyl pyrazole 2731
Dimethylsulphoxonium 1659
Morpholine 1672
Nucleic acid 2318
Nucleoside 2318
Phenanthridine 1658
Phenanthroline 587
Phenoxy 3143
Phenyl 116,584,1145,1673,2156,2384
Phenyl ethoxy carbene 867
Phenyl isocyanide 2730
Phosphine 88,109,582,1120,1122,
1148-49,1285,1670,1671,2131,2153
Phosphite 2131
Phthalocyanine 2514
Piperidine 1672
Polymer 2514
Propyl 2729
Pyridine 118,3161
Bipyridine 587,1120
Bipyridyl 2152
Pyridylamine 2152
Quaternary ammonium 584
Salicylfluoron 603
Schiff base 2727
Stearate 907
Stibine 1285
Tetralin 1146
Toluene 2728
Tolyl 1673,2725
Tropylium 1123
Ditropylium carbonyl 631
Tropylium phosphonium 2732

URANIUM
Acetate 2662
Acetylacetonate 561,2979
Alkoxy 1956
Dialkoxythiophosphate 2308
Allyl 559,1947,1955-57,2473
Aminoalkyl 1956
Aminonaphtholate 2962
Anthramalate 2662
Apate 2662
Dibenzylideneacetone 71
Butyl 70,1094
Carboxylate 2662
Citrate 2662
Cyclopentadienyl 70,72,2119
Diethyl ether 2663
Glycinate 2662
Glycine thymol blue 2661
Glycollate 2120
HMPA 74
Hydroxycyclohexyl sulphide 2116
Isooctyl ammonium 1092
Ketoimine 2960
Diketonate 561
Malonate 2662
Methoxy 2457
Methylbenzil 70
Dimethyl sulphoxide 2117
Tetramethylethylenediamine 1094
Phenyl cyclooctatetraene 558
Phosphine oxide 73
Phthalocyanine 1521
Salicylaldimine 2960
Salicylate 2662
Salicylol hydrazide 546
Schiff base 1093,2118,2660
Silylmethyl 1094
Toluate 2662
Tolylmethyl 1094

VANADIUM
Acetonitrile 1098
Acetylacetonate 751,911,949,1817 1818,1925,2023,2453-54,2684,2686, 2971-72,2979,3175
Alkoxy 86,1117,1283,1431,1502
Dialkoxythiophosphate 2308
Amine 2684
Polyamine 2037
Arsine 2327
Benzene 583
Benzoylhydrazinate 2686
Benzyl 1823
Butoxy 86,1431
Butylamine 2684
Butyl nitrile 1098
Butylphthalocyanine 947
Carboxylate 750,978,2682
Cycloheptatriene 583
Cyclohexyloxy 86
Dicyclooctatetraene 1649
Cyclopentadienyl 418,570,575,576,583 1106,1650,1823,1937,2125,2685,3172
Dioxan 1117
DIPS 754
Ethoxy 86,3141
Ethyleneglycol bis(2-aminoethyl)-ether tetraacetic acid 2682
Diethylenetriamine pentaacetic acid 2682
Furyl benzamidothiosemicarbazone 2683
Diisopropylsalicylate 754
Diketonate 3212
Lutidine 1117
Mercaptan 418,570,576
Mercaptopropionic acid dialdehyde 1271
Mercaptoquinoline 1812
Methoxy 2683
Dimethoxyethane 1117
Methylphenylcyclopentadienyl 1115
Dimethylpyrazine 1117
Dimethyl sulphoxide 1117
Naphthaldehyde-thiosemicarbazone 2961
Naphthenate 750,978,2528
Norbornyl 3159
Octoate 978
Organophosphate 405
Pentanedionate 2124
Pentoxy 86
Phenyl 360,2683
Biphenyl 2685
Tetraphenylbutadiene 2685
Diphenylcyclopentadienyl 1115
Diphenylether 512
Phenylsiloxy 894
Phthalocyanine 947,1413
Picoline 1117,2684
Piperazine 81
Porphyrin 1270
Propoxy 86
Pyrazole 1106
Pyridine 1117,2684
Pyridinium 1116
Tetrapyridinoporphyrazine 1274
Bipyridyl 1117
Salicyl hydroxamate 85
Siloxy 87,1428
Stearate 978
Sulphonate 2037
Tartrate 2687
Tetrahydrofuran 512,1117
Dithiocarbamate 2688
Thio derivative 3172
Vanadocene 1115

YTTERBIUM
Amide 2108
Arylarsonate 1086
Benzylquinolinium 547
Cyclopentadienyl 2109
DTPA 1643
EDTA 2644
Tetraethyl ammonium 2112
Methyl 2109
Methyl pyridine 550
Naphthyridine 2649
Phenyl 2109
Diphenyl phosphine amide 2108
Phosphine 2108
Dipivaloyl methanate 2106,2649
Pyrazine 2106
Pyridine 550
Bipyridyl 2649
Thenoyltrifluoroacetone 550
Xylenol phthalexon S 2654

YTTRIUM
Diacetyl 2107
Alizarin red 2646
Amide 2108
Benzil monoxime 2107
Benzoin 2107
Benzoylacetonate 548
Benzylquinolinium 547
Cyclopentadienyl 1087
Hydroxyquinoline N-oxide 1089
Dimethyl sulphoxide 2648

YTTRIUM cont'd.
Naphthyridine 2649
Diphenylphosphine amide 2108
Diphenyl sulphoxide 2648
Phosphine 2108
Dipivaloyl methanate 2106,2649
Pyrazine 2106
Pyridine 2107
Bipyridyl 2649
Salicyl 2107
Salicylamide 552
Salicylanilide 552
Salicylideneimine 2111
Salicylol hydrazide 546
Schiff base 2111
Sulphosalicylate 553
Dithioacetate 2645
Vaniline 2107

ZINC
Acetate 870,1281,1284,1545,1989,2021
Acetoacetic ester 963
Acetophenone benzoylhydrazone 743 748
Acetophenone salicoylhydrazone 743, 748
Acetylacetonate 789,911,949,1267, 1468,1514,1989,3051
Acetylglycine 1316
Acridine 2328,3057
Adenosine phosphate 2739
Alanate 1264
Alkoxy 59,424,1514
Alkyl 1371,3142,3233
Alkyl acetate 362
Alkylpyridine 1860
Alkyl thiophosphate 452
Allantoinate 2057
Allyl 572
Allylpyrazole 742
Amidine 1513
Aminoacid salt 447
Aminocarboxylic acid 3280
Aminoethyl phosphonic acid 2322
Aminotetramethylpiperidine 2323
Aryl 3233
Triazolyl 3308-9
Azolyl ether 1017,1278
Azomethine pigment 3254
Bacitracin 491,2557
BAF 2326
Dibenzenesulphonyl cysteine 2983
Benzimidazole 3249
Benzoate 1507,2028
Benzoxazole 1865
Dibenzoylsulphide 788
Benzylamine 745
Biliverdinate 1861
Bromocaproic acid 1864
Bromocarbenoid 1862
Bromosalicylanilide sulphonate 2064
Bromosenecioate 339
Butanedione nicotinylacetone 2975
Butyl 3146
Butyl phthalocyanine 947
Butyl salicylate 2019
Butyraldoxime-N-methyl-carbamate 3307
Caproic acid 1864
Caprolactam 1059
Carboxylate 941,3040
Dicarboxylic acid 2335
Carboxytetramethylpyrroline 2323
Casein 2965
Chromoacetate 790
Citrate 490,1480,3280
Copolymer 2025
Crotyl 572
Cycloalkyl 3233
Cyclohexylhydroxylamine 952
Cyclooctatetraene 572
Cyclopentadienyl 2950
DIPS 754
Dodecyl chloride 2315
Epoxy resin 963
Ethyl 847,885,1081,1317,1862-63,2477 2479,3055,3146
Ethyl acetoacetate 1514
Ethyl bromoacetate 1319
Ethylene 340
Ethylenediamine 1316,2315,3049
Diethylenetriamine 3049
Triethylenetetramine 1848,3049
Ethylenetriamine acetate 300
Ethylenedinitrilotetraacetate 2496
Ethylhexoate 3187
Ethylhexyl hydrogen phosphate 2312
2-Ethylhexyloxy phospholine 2375
Flavoquinone 298
Fluoroacetylacetonate 1807
Formyl biliverdinate 1861
Glyceryl phenylalanine 2324
Glyceryltyrosine 2324
Glycinate 300,1267
Glycylglycine 1207
Histidyl histidine 2995
Hydroxybenzoate 469
(Hydroxybutylphenyl)imine-quinone 2309
Hydroxycarboxylic acid 490
Hydroxyiminoacetoamide 2063

ZINC cont'd.
Hydroxynaphthalidene-methylamine 2964
Hydroxynaphthoquinone 2626
Hydroxy nitropropiophenone oxime 2963
Hydroxypropyl phosphonate 504
Imidazolyl 3308-9
Polyiminoethylene dithiocarboxylate 2510
Diisopropylsalicylate 754
Ketoimine 2960
Kojate 1265
Laurate 1483,1513
Lignosulphonate 1320
Malonate 1808
Malonic hydrazide 2952
Maloninic dihydrazide 3053
Maltol 1318
Mercaptan 492
Mercaptopropionic acid dialdehyde 1271
Mercaptopropionyl glycine 1207
Mercaptoquinoline 1812
Methane sulphonate 908
Methionine 3304
Methyl 362,1317
Methylaniline 744
Methylbenzoxazole 1865
Dimethylbutyraldoxime-methylcarbamate 2058
Methylcrotonate 339
Pentamethylenetetrazole 2955
Tetramethylethylenediamine 2397,3049
Methylpiperidinol succinate 448,2497
Tetramethylpiperidine sebacate 916
Methyl thiazole 2953
Dimethyl thiopyrone 2333
Morin 2969
Morpholine 1316
Naphthenate 527,1535,3231
Naphthol sulphonic acid 474
Nitrobenzoyl hydrazine 1315
Nitrosonaphthol 474
Novolac resin 3215
Octoate 527,941,1483
Octyl alanine 1474
Oleate 1513,2525
Olefin sulphonate 1831
Organophosphate 405
Oxalate 701
Peptide 1560,2560
Phenanthroline 1316,1807,1809,2195 2397,3051
Phenolic resin 1507
Phenoxyisobutyrate 3282
Phenyl 2397
Phenylaminocarboxylic ester 1815
Phenylbenzoxazole 1865
Diphenylpenteneolate 2479
Tetraphenyl porphyrin 3054
Phenyl urea 2325,3313
Phosphonate 2021,2570
Phthalocyanine 947,979
Phthalocyanine siloxane 2001
Picoyliminotetrahydraquinazoline 1269
Picrate 1821
Piperazine 1316
Polymer 459,2511
Polymeric diamine 1492
Propargyl 3050
Propargyl ether 3056
Propyl 1317
Polypropylene maleic acid adduct 1484
Pyrazolone 1980
Pyridimethione 3234
Pyridine 338,462,1316,1807
Bipyridine 1317,1807,2195,2397
Pyridine butanedionate 2976
Pyridinethione 3310
Bipyridyl 1316,3051
Pyridyl ketone 2330
Quercetin 2969
Quinoline 2374
Resin 2028
Resinate 1483,2029
Rosin 2530
Salicylaldimine 2960
Salicylate 1483
Schiff base 459,1268
Soap 922,1070,3241
Stearate 441,453,1979,2525,3207,3231
TAF 2326
Tetrahydrothenylamine 745
Thenoyl acetylfurane 2326
Thienylamine 745
Thiazolidine dithiocarbonate 462
Thiazolylazomethoxy phenol 341
Thiazolyl benzimidazole 2977
Thioallophanate 2062
Thiobenzoate 3052
Dithiocarbamate 924,1001,1022,1535, 2540,2568,3197
Thiocarbamoylaminoguanidine 2980
Thioglycollate 3201
Thiomercaptide 3201
Thiophene carboxamide 745
Dithiophosphate 987,988,1546,3268
Tryptophan 2739
Tyrosine 2324

ZINC cont'd.
Valeric acid amide 2970

ZIRCONIUM
Acetate 1074
Acetonitrile 1098
Acetylacetonate 854,1916,2689,2979
Acrylate 1074
Acrylic acid 3235
Alanine 2681
Alkoxy 573,1108,1287
Alkyl 83,84
Dialkyl chalcogenide 1118-19
Allyl 396,3160
Amine 83
Aminobenzoic acid 2681
Aminobutyric acid 2681
Aspargine 2681
Dibenzoylmethanate 2689
Benzyl 396,408,857-58,1423-24,1925 2443
Butoxy 401,930,3248
Butyl nitrile 1098
Chloropropyl 2013
Chromotropic acid 1104
Cycloheptatriene 579
Cyclohexyl 2122
Cyclooctatetraenyl 2677
Cyclopentadienyl 84,396,571,579, 792,1111,1655-56,2122,2678
DIPS 754
EDTA 2676
Triethanolamine 3248
Ethyl 792
Ethylacetoacetate 3248
Ethylhexanediol 1991
Glycine 2681
Hydroxynaphthaldehyde 2680
Diisopropylsalicylate 754
Isopropyltropolone 2674
Diketonate 3212
Lactic acid 1074,3235,3248
Lysine 2681
Metallocene 1655,2669
Methacrylate 1074
Methacrylic acid 3235
Methyl 571
Dimethyl metallocene 2670
Methyl phenylpropyl 2123
Methyl-2-phenylpropyl 1918
Naphthalene 1111
Neodecanoate 3212
Neophyl 857,58,1918,2123,3153
Nitrile 1118-19
PAR 2675
Phenyl 571
Triphenylmethane dye 2679
Triphenylmethyl 1398
Phenylsiloxy 894
Phosphine 1118-19,2439
Phthalocyanine 1413
Piperazine 81
Polymer 1502
Porphyrine 2689
Propionate 1074,3235
Propoxy 573
Stearate 1580
Tetrahydrofuran 2677
Tropolonate 1655
Zircocene 1111,1655,2669-70

ORGANOMETALLIC COMPOUNDS

Volume 29

nos. 1-14

July-December 1976

© R.H.Chandler Ltd. 1977
Braintree, Essex